

ESTUDIO HIDROLÓGICO E HIDRÁULICO RIO SEÑORA

PROYECTO MADEROS DEL CAMPO

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**UBICADO EN EL
CORREGIMIENTO DE CHEPO,
DISTRITO DE CHEPO,
PROVINCIA DE PANAMA**

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INTRODUCCION

El proyecto Maderos del Campo está ubicado en la Carretera a Chepo, cercano al área de El Naranjal con una extensión de 108.1 Ha.

El proyecto es propiedad de Sociedad Urbanizadora del Caribe, S.A. y está ubicado sobre: Finca 30179169 C. ubicación 8401; finca 150260, rollo 19798; finca 150264, rollo 19798; finca 151469, rollo 20198; finca 148335m, rollo 19237; finca 148333, rollo 19237 en el Corregimiento de Chepo, Distrito de Chepo, Provincia de Panamá.

Este documento contiene los resultados del análisis del estudio hidrológico e hidráulico de la simulación realizada al cauce del río Señora en el tramo adyacente al proyecto Maderos del Campo.

El objetivo del estudio es determinar los niveles máximos de inundación para poder determinar los niveles seguros de terracería de acuerdo a las mejoras propuestas para los diferentes cursos de agua.

1. GENERALIDADES DE LA CUENCA EN ESTUDIO

La República de Panamá, al igual que los países centroamericanos, se ve afectada por anomalías climáticas de carácter inter-anual, originadas tanto por condiciones locales como por señales climáticas de alcance mundial, las cuales ejercen gran influencia en todos los aspectos de la sociedad. Son eventos naturales que generan desastres sociales por la magnitud de las transformaciones humanas realizadas a la naturaleza. Estos eventos ocasionan, en algunos casos, cuantiosas pérdidas tanto económicas como de vidas humanas.

1.1 Climatología del Área de la Cuenca en Estudio.

1.1.1 El Clima.

Según Köppen, el clima es tropical de sabana con una distribución de lluvias poco uniformes. Observamos un período seco y otro húmedo, ejerciendo esta última mayor influencia, por la incidencia de la zona de convergencia intertropical sobre el istmo de Panamá. Se caracteriza por un patrón de lluvias convectiva frecuente y de corta duración.

1.1.2 Precipitación.

La precipitación pluvial media, según el Atlas Nacional de la República de Panamá, es de aproximadamente 1300 @ 1500 mm anuales. Los meses con mayor precipitación son junio y octubre. La estación seca se extiende en ocasiones hasta 3.5 meses.

1.1.3 Temperatura

Se calcula una temperatura media diaria de 26.8° centígrados. La temperatura media del mes más fresco es mayor a 18° centígrados, con una diferencia mayor a 5° centígrados entre el mes más cálido y el mes más fresco.

1.1.4 Viento.

Los vientos fluctúan entre 10 y 15 nudos por hora. Su dirección en el mes de mayo es Sur con una frecuencia del 10% y una velocidad de 4.5 m/seg. También en este mes, tiende a soplar en dirección Sureste con una frecuencia de 5% y una velocidad de 2.5 m/seg y en dirección Noreste con una frecuencia de 10% y una velocidad de 2 m/seg. En febrero la dirección es Norte con frecuencia de 25% y una velocidad de 5.5 m/seg, Noreste con frecuencia de 15% y velocidad de 5.5 m/seg. En octubre la dirección es Sur, con una frecuencia de 15% y velocidad de 4.5 m/seg y Sureste con frecuencia de 7% y velocidad de 4.5 m/seg.

2. ANALISIS HIDROLÓGICO

2.1 ESTIMACIÓN DE CAUDALES

2.1.1 Áreas de Drenaje:

Para este estudio en particular, se analizó el comportamiento hidráulico e hidrológico para un tramo del río Señora, de 3.81 km de longitud comprendido entre las coordenadas (UTM84-17N):

Tabla 1. Coordenadas de Alineamiento

ESTACION	ESTE	NORTE
3K+811	695484.2642 m	1008534.8563 m
0K+000	698142.4400 m	1007781.0800 m

En general, el área de la cuenca en estudio se encuentra actualmente poco desarrolladas, donde el uso del suelo se da para actividades del sector primario de la economía con poblados adyacentes.

Para calcular los caudales se utilizó el Método Regional de Crecidas Máximas. Los caudales iniciales fueron calculados para el río Señora hasta el punto donde inician las secciones transversales del alineamiento y de allí en adelante se realizó una distribución uniforme de aporte lateral de caudal para cada sección. El área total de la cuenca a

utilizar y las características para la selección de la ecuación de cálculo de Caudales Máximos son:

Tabla 2. Área de Drenaje y Propiedades de la Cuenca

N° CUENCA	148	
AT CUENCA BAYANO	4980	km ²
AREA HOMOGENEA	1	verde caña
ECUACION	1	
TABLA	1	
F.A. 1:50	2.37	
F.A 1:100	2.38	
AREA T PROYECTO	18.64	km ²

2.1.2 Metodología para el cálculo de caudales:

Para el cálculo del caudal utilizaremos el método Lavalin descrito en el “*Resumen Técnico Análisis Regional de Crecidas Máximas de Panamá Periodo 1971-2006*”, debido a que esta cuenca en su totalidad es mayor a 250Ha y este método es el recomendado para cuencas de este tamaño, la cuenca a analizar es de 18.64 km².

Tabla 3.Cuantificación de Caudales por Afluentes Secundarios

AREAS DRENAJE	AREA (m ²)	AREA (km ²)
A ₁	7394701.17	7.394701171
A ₂	1716973.65	1.716973646
A ₃	1026211.13	1.026211131
A _{LATERAL}		11.73211405
Q _{PROM}	209.88901	m ³ /s
Q 1:50 AÑOS	497.436954	m ³ /s
Q 1:100 AÑOS	562.502547	m ³ /s
LONG. ALIGNMENT	3810	m

Se procede a buscar la zona a la que corresponde la cuenca en el mapa de Regiones Hidrológicamente Homogéneas. Esta cuenca pertenece a la cuenca 148 (Tabla 1), Zona 1. Con la zona, se procede a buscar la ecuación y se estiman los caudales máximos con el uso de los factores de amplificación de caudales para cada período de retorno.

Tabla 4. Ecuaciones para el cálculo de Caudales Máximos de Avenida

Análisis Regional de Crecidas Máximas.	Año 1986 Período 1962 - 1985	Año 2008 Período 1971-2006
Ecuación 1	$Q_{\text{máx}} = 34A^{0.79}$	$Q_{\text{máx}} = 34A^{0.79}$
Ecuación 2	$Q_{\text{máx}} = 27A^{0.79}$	$Q_{\text{máx}} = 25A^{0.79}$
Ecuación 3	$Q_{\text{máx}} = 13A^{0.79}$	$Q_{\text{máx}} = 14A^{0.79}$
Ecuación 4	$Q_{\text{máx}} = 10A^{0.79}$	$Q_{\text{máx}} = 9A^{0.79}$
Ecuación 5		$Q_{\text{máx}} = 4.5A^{0.79}$

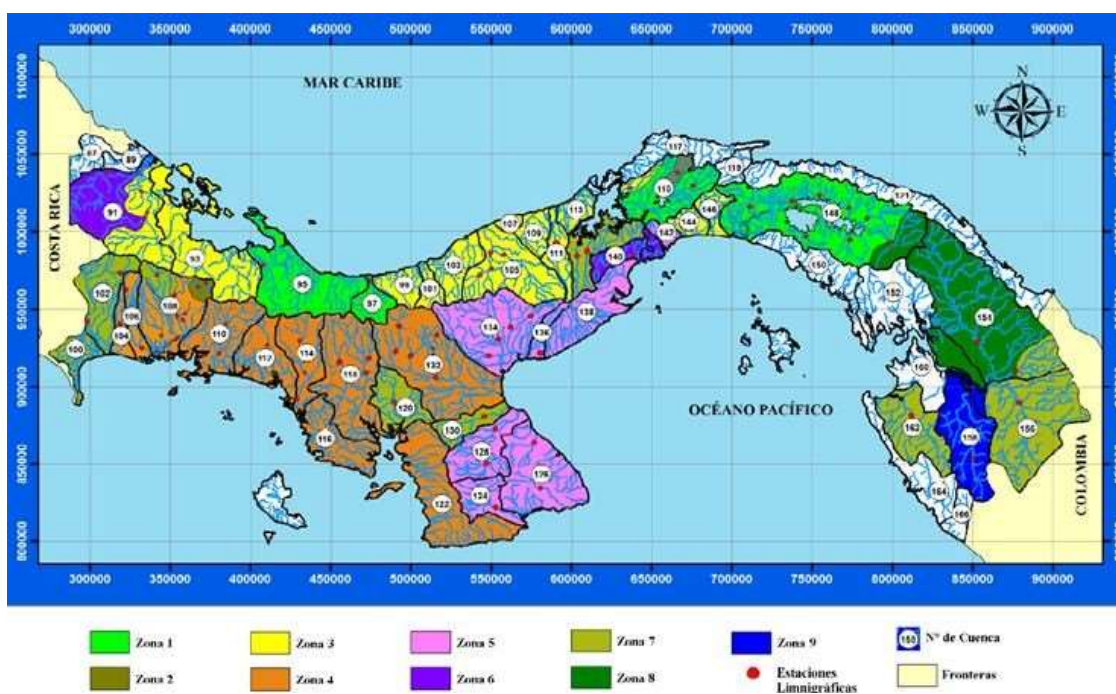


Ilustración 1. Mapa de Zonas Hidrológicamente Homogéneas

Tabla 5. Ecuaciones de Qmax en función de Zona Homogénea

Zona	Número de ecuación	Ecuación	Distribución de frecuencia
1	1	$Q_{\text{máx}} = 34A^{0.79}$	Tabla # 1
2	1	$Q_{\text{máx}} = 34A^{0.79}$	Tabla # 3
3	2	$Q_{\text{máx}} = 25A^{0.79}$	Tabla # 1
4	2	$Q_{\text{máx}} = 25A^{0.79}$	Tabla # 4
5	3	$Q_{\text{máx}} = 14A^{0.79}$	Tabla # 1
6	3	$Q_{\text{máx}} = 14A^{0.79}$	Tabla # 2
7	4	$Q_{\text{máx}} = 9A^{0.79}$	Tabla # 3
8	5	$Q_{\text{máx}} = 4.5A^{0.79}$	Tabla # 3
9	2	$Q_{\text{máx}} = 25A^{0.79}$	Tabla # 3

2.2 Caudales Máximos para Distintos Periodos de Retorno

Tabla 7. Caudales Máximos de Avenida

CAUDALES DE ENTRADA MODELO HECRAS V4.1.					
ESTACION (m)	PERIODO DE RETORNO		ESTACION (m)	PERIODO DE RETORNO	
	1:100 AÑOS	1:50 AÑOS		1:100 AÑOS	1:50 AÑOS
3910.03	191.82	169.64	1880	387.68	342.83
3900	193.46	171.08	1860	415.7	367.62
3880	195.09	172.52	1840	417.33	369.06
3860	196.72	173.96	1820	418.97	370.5
3840	198.35	175.41	1800	420.6	371.95
3820	199.98	176.85	1780	422.23	373.39
3800	201.61	178.29	1760	423.86	374.83
3780	203.24	179.73	1740	425.49	376.27
3760	204.87	181.18	1720	427.12	377.72
3740	206.5	182.62	1700	428.75	379.16
3720	208.14	184.06	1680	430.38	380.6
3700	209.77	185.5	1660	432.01	382.04
3680	211.4	186.95	1640	433.65	383.49
3660	213.03	188.39	1620	435.28	384.93
3640	214.66	189.83	1600	436.91	386.37
3620	216.29	191.27	1580	438.54	387.81
3600	217.92	192.72	1560	440.17	389.26
3580	219.55	194.16	1540	441.8	390.7
3560	221.18	195.6	1520	443.43	392.14
3540	222.82	197.04	1480	445.06	393.58
3520	224.45	198.48	1460	446.69	395.02
3500	226.08	199.93	1440	448.33	396.47
3480	227.71	201.37	1420	449.96	397.91
3460	229.34	202.81	1400	451.59	399.35
3440	230.97	204.25	1380	453.22	400.79
3420	232.6	205.7	1360	454.85	402.24
3400	234.23	207.14	1340	456.48	403.68
3380	280.03	247.63	1320	458.11	405.12
3320	281.66	249.08	1300	459.74	406.56
3280	283.29	250.52	1280	461.37	408.01
3260	284.92	251.96	1260	463.01	409.45
3240	286.55	253.4	1240	464.64	410.89
3220	288.18	254.85	1220	466.27	412.33
3200	289.81	256.29	1200	467.9	413.78
3180	291.44	257.73	1180	469.53	415.22

3160	293.07	259.17	1160	471.16	416.66
3140	294.71	260.62	1140	472.79	418.1
3120	296.34	262.06	1120	474.42	419.55
3100	297.97	263.5	1100	476.05	420.99
3080	299.6	264.94	1080	477.69	422.43
3060	301.23	266.39	1060	479.32	423.87
2940	302.86	267.83	1040	480.95	425.32
2920	304.49	269.27	1020	482.58	426.76
2900	306.12	270.71	1000	484.21	428.2
2880	307.75	272.16	980	485.84	429.64
2860	309.39	273.6	960	487.47	431.09
2840	311.02	275.04	940	489.1	432.53
2820	312.65	276.48	920	490.73	433.97
2800	314.28	277.93	900	492.37	435.41
2780	315.91	279.37	880	494	436.86
2760	317.54	280.81	860	495.63	438.3
2740	319.17	282.25	840	497.26	439.74
2720	320.8	283.7	820	498.89	441.18
2700	322.43	285.14	800	500.52	442.62
2680	324.07	286.58	780	502.15	444.07
2660	325.7	288.02	760	503.78	445.51
2640	327.33	289.47	740	505.41	446.95
2620	328.96	290.91	720	507.05	448.39
2600	330.59	292.35	700	508.68	449.84
2580	332.22	293.79	680	510.31	451.28
2560	333.85	295.23	660	511.94	452.72
2540	335.48	296.68	640	513.57	454.16
2520	337.11	298.12	620	515.2	455.61
2500	338.75	299.56	600	516.83	457.05
2480	340.38	301	580	518.46	458.49
2460	342.01	302.45	560	520.09	459.93
2440	343.64	303.89	540	521.73	461.38
2420	345.27	305.33	520	523.36	462.82
2400	350.16	309.66	500	524.99	464.26
2320	351.79	311.1	480	526.62	465.7
2300	353.43	312.54	460	528.25	467.15
2280	355.06	313.99	440	529.88	468.59
2260	356.69	315.43	420	531.51	470.03
2240	358.32	316.87	400	533.14	471.47
2220	359.95	318.31	380	534.77	472.92
2200	361.58	319.76	360	536.4	474.36

2180	363.21	321.2	340	538.04	475.8
2160	364.84	322.64	320	539.67	477.24
2140	366.47	324.08	300	541.3	478.69
2120	368.1	325.53	280	542.93	480.13
2100	369.74	326.97	260	544.56	481.57
2080	371.37	328.41	240	546.19	483.01
2060	373	329.85	220	547.82	484.46
2040	374.63	331.3	160	549.45	485.9
2020	376.26	332.74	140	551.08	487.34
2000	377.89	334.18	120	552.72	488.78
1980	379.52	335.62	100	554.35	490.22
1960	381.15	337.07	80	555.98	491.67
1940	382.78	338.51	60	557.61	493.11
1920	384.42	339.95	40	559.24	494.55
1900	386.05	341.39	20	560.87	495.99
			0	562.5	497.44

3. ANALISIS HIDRAULICO

Una vez obtenido el caudal del río, en conjunto con la información topográfica se procede a utilizar el modelo HEC-RAS para simular el comportamiento del cauce para los caudales en estudio.

Inicialmente se tenía el modelo HEC-2, que fue desarrollado en los años 70 por el Hydrologic Engineering Center en los Estados Unidos (Hoggan, 1997). El programa se diseñó para calcular perfiles superficiales del agua para flujo permanente, gradualmente variado en canales naturales (ríos) o artificiales. El proceso computacional se basa en la solución de ecuaciones unidimensionales de energía, utilizando el método estándar del paso. Entre sus usos, el programa se puede utilizar para delinear zonas de alto riesgo de inundaciones. También se usa para evaluar Efectos sobre perfiles de la superficie del agua como resultado de mejoras y construcción de diques en canales y estructuras como puentes.

Siguiendo los conceptos del modelo HEC-2 para la determinación de perfiles de la

superficie de agua, el USACE (Army Corps of Engineers of the United States) desarrolló un sistema de análisis de ríos, conocido como el HEC-RAS, (1995, 2000). El modelo HEC-RAS es muy idéntico al modelo HEC-2, con unos pocos cambios menores. Los objetivos, metas y resultados de los programas son los mismos. La gran mejora es la adición del poder gráfico al usuario (GUI).

3.1 Propiedades Del Cauce

El tramo de análisis del río Señora tiene una longitud total de 3910m. La simulación realizada para condiciones de terreno natural y diseño se realizaron para una condición de flujo subcrítico.

3.1.1 Rugosidad del Canal

Los valores de rugosidad utilizados en las simulaciones hidráulicas son: $n=0.03$; para los bancos laterales izquierdo y derecho y $n=0,028$ para el lecho del canal.

3.1.2 Secciones Transversales

Las secciones transversales se muestran en el anexo A.2 y A.3.

3.1.3 Condiciones de Frontera

Para un régimen de flujo subcrítico se utilizó una condición de frontera de pendiente Sw para flujo uniforme de $1.402573E-03$.

3.1.4 Áreas de Drenaje

Las Áreas de drenaje se crearon a partir de un análisis del modelo de elevación digital de la cuenca. En la parte norte del proyecto el aporte puntual de caudal del río Señora tiene un área de drenaje $A1=7394701.171 \text{ m}^2$. El alineamiento tiene dos afluentes secundarios que desembocan en el cauce del río Señora cuyas áreas de drenaje son respectivamente $A2=1716973.646 \text{ m}^2$ y $A3=1026211.131 \text{ m}^2$. El área de aporte lateral al proyecto es $AL=8506133.207 \text{ m}^2$.

4. RESULTADOS DE SIMULACION HIDRAULICA

4.1 CONDICION TERRENO NATURAL

4.1.1 Tabla de Resultados

Tabla 8.Resultados Simulación Condición Terreno Natural

River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
3910	1:50 AÑOS	169.64	11.57	16.12	13.34	16.14	0.000069	0.79	296.97	108.77	0.12
3910	1:100 AÑOS	191.82	11.57	16.29	13.44	16.32	0.000074	0.84	315.82	110.18	0.13
3900	1:50 AÑOS	171.08	11.51	16.13	12.91	16.14	0.000042	0.61	364.18	124.71	0.09
3900	1:100 AÑOS	193.46	11.51	16.3	12.98	16.31	0.000046	0.65	385.92	127.31	0.1
3880	1:50 AÑOS	172.52	11.49	16.07	14.02	16.13	0.000294	1.49	173.4	96.46	0.24
3880	1:100 AÑOS	195.09	11.49	16.23	14.14	16.31	0.000314	1.58	190.42	107.15	0.25
3860	1:50 AÑOS	173.96	11.48	16.07	14.26	16.12	0.000274	1.37	188.98	110.55	0.22
3860	1:100 AÑOS	196.72	11.48	16.24	14.4	16.3	0.000281	1.43	208.43	119.45	0.23
3840	1:50 AÑOS	175.41	11.47	16.01	14.93	16.11	0.000487	1.86	155.21	109.48	0.3
3840	1:100 AÑOS	198.35	11.47	16.18	15.04	16.28	0.000477	1.89	174.95	119.26	0.3
3820	1:50 AÑOS	176.85	11.42	15.78	14.77	16.08	0.001193	2.66	94.67	91.54	0.46
3820	1:100 AÑOS	199.98	11.42	15.95	15.31	16.25	0.001164	2.71	112.09	105.87	0.46
3800	1:50 AÑOS	178.29	11.34	15.82	14.57	16.03	0.000843	2.24	106.06	77.98	0.39
3800	1:100 AÑOS	201.61	11.34	15.99	14.87	16.21	0.00083	2.29	119.89	82.61	0.39
3780	1:50 AÑOS	179.73	11.27	15.86	14.18	16	0.000503	1.76	128.97	80.27	0.31
3780	1:100 AÑOS	203.24	11.27	16.03	14.34	16.17	0.00051	1.83	142.83	84.18	0.31
3760	1:50 AÑOS	181.18	11.23	15.85	14.4	15.99	0.000593	1.75	128.72	86.25	0.32
3760	1:100 AÑOS	204.87	11.23	16.02	14.57	16.16	0.000584	1.8	143.76	89.9	0.33
3740	1:50 AÑOS	182.62	11.2	15.8	14.71	15.97	0.000888	1.94	116.52	89.64	0.39
3740	1:100 AÑOS	206.5	11.2	15.98	14.83	16.14	0.00083	1.96	132.81	93.02	0.38
3720	1:50 AÑOS	184.06	11.17	15.01	15.01	15.87	0.004129	4.23	51.02	41.53	0.81
3720	1:100 AÑOS	208.14	11.17	15.33	15.33	16.06	0.003191	4.01	67.86	62.03	0.73
3700	1:50 AÑOS	185.5	11.19	14.93	14.46	15.52	0.003002	3.45	58.5	43.24	0.69

3700	1:100 AÑOS	209.77	11.19	15.12	14.66	15.73	0.002854	3.53	67.85	53.33	0.69
3680	1:50 AÑOS	186.95	11.15	15.07	14.34	15.39	0.001684	2.59	82.96	62.79	0.52
3680	1:100 AÑOS	211.4	11.15	15.28	14.51	15.6	0.001548	2.62	98.57	93.16	0.51
3660	1:50 AÑOS	188.39	11.11	15.16	14.15	15.32	0.000811	1.96	133.38	134.71	0.37
3660	1:100 AÑOS	213.03	11.11	15.39	14.3	15.52	0.000666	1.87	165.12	142.67	0.34
3640	1:50 AÑOS	189.83	11.09	15.22	13.16	15.28	0.000241	1.23	213.26	146.04	0.21
3640	1:100 AÑOS	214.66	11.09	15.43	13.37	15.49	0.000224	1.24	245.35	153.62	0.21
3620	1:50 AÑOS	191.27	10.96	15.23	12.76	15.27	0.000132	1	260.3	153.54	0.16
3620	1:100 AÑOS	216.29	10.96	15.44	12.88	15.49	0.000129	1.03	293.72	161.04	0.16
3600	1:50 AÑOS	192.72	10.87	15.2	14.19	15.27	0.000341	1.44	214.97	162.85	0.25
3600	1:100 AÑOS	217.92	10.87	15.42	14.28	15.48	0.000293	1.39	251.65	170.27	0.23
3580	1:50 AÑOS	194.16	10.85	15.16	14.52	15.25	0.00053	1.68	187.42	166.66	0.31
3580	1:100 AÑOS	219.55	10.85	15.4	14.6	15.47	0.000416	1.57	226.94	173.13	0.28
3560	1:50 AÑOS	195.6	10.77	14.33	14.33	15.16	0.004942	4.12	52.24	35.97	0.88
3560	1:100 AÑOS	221.18	10.77	14.5	14.5	15.37	0.004834	4.27	58.51	41.06	0.88
3540	1:50 AÑOS	197.04	10.71	14.11	13.82	14.66	0.003019	3.36	67.91	66.26	0.7
3540	1:100 AÑOS	222.82	10.71	14.15	14.06	14.81	0.003611	3.71	70.44	70.34	0.77
3520	1:50 AÑOS	198.48	10.69	14.2	13.61	14.54	0.002258	2.64	81.99	86.77	0.6
3520	1:100 AÑOS	224.45	10.69	14.28	13.77	14.67	0.002461	2.83	88.87	87.66	0.63
3500	1:50 AÑOS	199.93	10.51	14.22	13.49	14.47	0.002019	2.28	97.91	107.46	0.55
3500	1:100 AÑOS	226.08	10.51	14.31	13.62	14.59	0.002059	2.39	108.44	110.17	0.56
3480	1:50 AÑOS	201.37	10.45	14.28	13.79	14.41	0.000969	1.97	176.66	248.02	0.4
3480	1:100 AÑOS	227.71	10.45	14.4	13.86	14.52	0.00087	1.92	207.38	255.4	0.38
3460	1:50 AÑOS	202.81	10.48	14.02	13.85	14.36	0.001829	3.05	109.17	130.87	0.56
3460	1:100 AÑOS	229.34	10.48	14.19	14.06	14.48	0.001549	2.91	131.38	132.03	0.52
3440	1:50 AÑOS	204.25	10.34	14.18	12.6	14.27	0.000405	1.59	192.5	161.07	0.28
3440	1:100 AÑOS	230.97	10.34	14.3	12.79	14.41	0.000424	1.67	213.84	173.4	0.28

3420	1:50 AÑOS	205.7	10.01	14.21	11.78	14.25	0.000141	0.99	270.46	170.02	0.17
3420	1:100 AÑOS	232.6	10.01	14.34	11.9	14.39	0.000157	1.07	292.8	186.98	0.18
3400	1:50 AÑOS	207.14	10.03	14.19	12.35	14.25	0.000248	1.31	245.8	178.6	0.22
3400	1:100 AÑOS	234.23	10.03	14.31	12.61	14.38	0.000259	1.37	269.3	187.12	0.22
3380	1:50 AÑOS	247.63	10.05	14.13	12.82	14.24	0.000445	1.74	229.79	184.86	0.29
3380	1:100 AÑOS	280.03	10.05	14.26	13.09	14.37	0.000458	1.81	253.98	193.39	0.3
3320	1:50 AÑOS	249.08	9.96	14.11	12.86	14.21	0.000418	1.69	255.52	232.01	0.28
3320	1:100 AÑOS	281.66	9.96	14.25	13.04	14.34	0.000416	1.73	286.43	238.34	0.28
3280	1:50 AÑOS	250.52	9.76	14.11	12.79	14.19	0.000383	1.54	229.08	134.14	0.27
3280	1:100 AÑOS	283.29	9.76	14.23	12.88	14.32	0.00041	1.63	246.04	140.35	0.28
3260	1:50 AÑOS	251.96	9.84	14.11	12.42	14.18	0.000269	1.36	255.46	133.33	0.23
3260	1:100 AÑOS	284.92	9.84	14.24	12.52	14.31	0.000295	1.46	272.3	140.49	0.24
3240	1:50 AÑOS	253.4	9.93	14.11	12.28	14.17	0.000279	1.07	257.69	134.51	0.22
3240	1:100 AÑOS	286.55	9.93	14.24	12.37	14.3	0.000304	1.14	274.61	137.92	0.23
3220	1:50 AÑOS	254.85	9.74	14.1	12.83	14.16	0.000294	1.42	313.35	247.77	0.24
3220	1:100 AÑOS	288.18	9.74	14.23	12.94	14.29	0.000293	1.45	345.48	250.11	0.24
3200	1:50 AÑOS	256.29	9.56	14.08	13.41	14.15	0.000377	1.66	291.05	244.09	0.26
3200	1:100 AÑOS	289.81	9.56	14.21	13.51	14.28	0.000363	1.66	323.44	245	0.26
3180	1:50 AÑOS	257.73	9.47	13.57	13.57	14.09	0.002313	3.52	106.62	111.83	0.62
3180	1:100 AÑOS	291.44	9.47	13.69	13.69	14.22	0.002335	3.62	120.71	120.56	0.63
3160	1:50 AÑOS	259.17	9.73	13.48	12.29	13.58	0.000779	1.89	255.98	297.38	0.36
3160	1:100 AÑOS	293.07	9.73	13.55	12.41	13.65	0.000834	1.98	276.69	309.34	0.38
3140	1:50 AÑOS	260.62	10.01	13.46	12.52	13.56	0.00074	1.95	259.97	296.14	0.36
3140	1:100 AÑOS	294.71	10.01	13.54	12.69	13.64	0.000767	2.02	281.42	298.93	0.37
3120	1:50 AÑOS	262.06	9.99	13.47	12.73	13.54	0.000571	1.84	299.8	366.61	0.33
3120	1:100 AÑOS	296.34	9.99	13.54	12.77	13.62	0.000589	1.89	326.63	371.87	0.33
3100	1:50 AÑOS	263.5	9.71	13.46	12.54	13.53	0.000495	1.76	305.58	358.41	0.3
3100	1:100 AÑOS	297.97	9.71	13.53	12.56	13.61	0.000519	1.83	331.22	361.4	0.31

3080	1:50 AÑOS	264.94	9.65	13.31	12.67	13.45	0.000922	2.41	237.32	310.13	0.41
3080	1:100 AÑOS	299.6	9.65	13.37	12.97	13.52	0.000995	2.53	255.7	323.04	0.43
3060	1:50 AÑOS	266.39	9.63	13.39	11.19	13.41	0.000149	0.92	455.83	318.45	0.16
3060	1:100 AÑOS	301.23	9.63	13.45	11.28	13.48	0.00017	0.99	475.49	319.82	0.17
2940	1:50 AÑOS	267.83	9.13	13.36	11.95	13.39	0.000251	0.93	370.6	295.55	0.2
2940	1:100 AÑOS	302.86	9.13	13.41	12.05	13.45	0.000285	1.01	387.43	296.68	0.21
2920	1:50 AÑOS	269.27	8.89	13.35	10.45	13.39	0.000103	0.9	404.98	307.62	0.14
2920	1:100 AÑOS	304.49	8.89	13.4	10.57	13.45	0.000122	0.98	421.76	308.78	0.16
2900	1:50 AÑOS	270.71	9.14	13.33	10.75	13.38	0.000155	1.05	365.21	313.45	0.17
2900	1:100 AÑOS	306.12	9.14	13.39	10.89	13.44	0.000182	1.15	381.61	314.61	0.19
2880	1:50 AÑOS	272.16	9.2	13.3	11.35	13.38	0.000286	1.4	320.93	316.73	0.23
2880	1:100 AÑOS	307.75	9.2	13.35	11.54	13.43	0.000331	1.52	336.25	317.86	0.25
2860	1:50 AÑOS	273.6	9.13	13.26	12.76	13.36	0.000784	1.96	268.83	323.99	0.37
2860	1:100 AÑOS	309.39	9.13	13.31	12.84	13.42	0.000868	2.08	284.22	325.09	0.39
2840	1:50 AÑOS	275.04	8.78	13.08	12.96	13.33	0.001324	2.95	221.35	355.62	0.49
2840	1:100 AÑOS	311.02	8.78	13.18	13.11	13.39	0.001197	2.86	256.69	357.41	0.46
2820	1:50 AÑOS	276.48	8.44	13.16	12.68	13.27	0.000679	2.21	297.92	365.48	0.34
2820	1:100 AÑOS	312.65	8.44	13.24	12.74	13.34	0.000685	2.24	325.75	365.75	0.35
2800	1:50 AÑOS	277.93	8.77	13.18	12.66	13.24	0.000453	1.79	362.97	410.36	0.29
2800	1:100 AÑOS	314.28	8.77	13.25	12.74	13.32	0.000462	1.83	393.63	411.42	0.29
2780	1:50 AÑOS	279.37	8.94	13.16	12.49	13.23	0.000405	1.7	333.65	321.79	0.28
2780	1:100 AÑOS	315.91	8.94	13.23	12.63	13.31	0.000439	1.8	355.62	323.07	0.29
2760	1:50 AÑOS	280.81	8.92	13.12	12.74	13.22	0.000626	1.96	287.18	301.69	0.33
2760	1:100 AÑOS	317.54	8.92	13.19	12.79	13.3	0.00067	2.06	307.3	303.56	0.35
2740	1:50 AÑOS	282.25	8.91	13.08	12.81	13.2	0.001118	2.21	240.28	277.53	0.42
2740	1:100 AÑOS	319.17	8.91	13.15	12.87	13.28	0.001169	2.29	258.46	279.47	0.43
2720	1:50 AÑOS	283.7	9.09	12.95	12.86	13.17	0.001722	3	198.93	255.86	0.53

2720	1:100 AÑOS	320.8	9.09	13.01	12.89	13.24	0.001783	3.09	215.84	258.7	0.54
2700	1:50 AÑOS	285.14	9.15	12.83	12.83	13.12	0.002353	3.34	176.93	247.13	0.62
2700	1:100 AÑOS	322.43	9.15	12.89	12.89	13.19	0.002456	3.46	191.78	250.21	0.63
2680	1:50 AÑOS	286.58	9.13	12.78	12.78	13.05	0.002161	3.28	181.23	243.9	0.6
2680	1:100 AÑOS	324.07	9.13	12.87	12.83	13.13	0.002039	3.25	204.32	248.6	0.59
2660	1:50 AÑOS	288.02	8.99	12.7	12.7	12.99	0.002082	3.33	182.19	241.53	0.59
2660	1:100 AÑOS	325.7	8.99	12.86	12.76	13.08	0.001623	3.03	221.71	251.19	0.53
2640	1:50 AÑOS	289.47	8.85	12.65	12.61	12.89	0.001963	3.06	189.23	245.15	0.56
2640	1:100 AÑOS	327.33	8.85	12.88	12.66	13.03	0.001259	2.57	248.2	262.49	0.45
2620	1:50 AÑOS	290.91	8.74	12.67	12.53	12.83	0.001757	2.79	207.61	243.94	0.51
2620	1:100 AÑOS	328.96	8.74	12.88	12.58	13	0.001178	2.39	260.9	252.58	0.42
2600	1:50 AÑOS	292.35	8.76	12.69	12.38	12.79	0.000943	2.1	268.47	295.56	0.39
2600	1:100 AÑOS	330.59	8.76	12.89	12.43	12.97	0.000683	1.87	329.57	305.48	0.34
2580	1:50 AÑOS	293.79	8.78	12.71	11.9	12.76	0.000372	1.43	362.63	280.24	0.26
2580	1:100 AÑOS	332.22	8.78	12.91	11.95	12.95	0.00031	1.36	416.9	282.5	0.24
2560	1:50 AÑOS	295.23	8.57	12.71	11.72	12.75	0.000298	1.33	390.08	277.83	0.23
2560	1:100 AÑOS	333.85	8.57	12.91	11.79	12.94	0.000256	1.28	443.85	280.07	0.21
2540	1:50 AÑOS	296.68	8.34	12.71	11.7	12.74	0.000237	1.19	426.55	287.71	0.2
2540	1:100 AÑOS	335.48	8.34	12.91	11.76	12.93	0.000207	1.16	482.21	289.66	0.19
2520	1:50 AÑOS	298.12	8.35	12.7	11.79	12.74	0.000274	1.29	401.59	282.82	0.21
2520	1:100 AÑOS	337.11	8.35	12.9	11.85	12.93	0.000237	1.24	457.09	287.58	0.2
2500	1:50 AÑOS	299.56	8.45	12.71	11.74	12.73	0.000194	0.99	534.58	468.76	0.17
2500	1:100 AÑOS	338.75	8.45	12.9	11.77	12.92	0.000156	0.92	626.86	473.84	0.16
2480	1:50 AÑOS	301	8.34	12.71	11.66	12.72	0.000156	0.8	592.53	465.12	0.15
2480	1:100 AÑOS	340.38	8.34	12.9	11.71	12.92	0.000127	0.76	683.68	468.21	0.14
2460	1:50 AÑOS	302.45	8.16	12.7	11.71	12.72	0.0002	1.01	539.77	443.2	0.18
2460	1:100 AÑOS	342.01	8.16	12.9	11.83	12.91	0.000162	0.94	627.98	453.32	0.16

2440	1:50 AÑOS	303.89	8.27	11.99	11.99	12.64	0.005209	4.68	112.72	166.8	0.88
2440	1:100 AÑOS	343.64	8.27	11.99	11.99	12.82	0.006621	5.28	113.1	193.36	0.99
2420	1:50 AÑOS	305.33	8.42	12.17	11.31	12.22	0.000523	1.7	392.35	469.67	0.29
2420	1:100 AÑOS	345.27	8.42	12.25	11.4	12.3	0.000519	1.72	429.29	471.41	0.29
2400	1:50 AÑOS	309.66	8.35	12.16	11.32	12.21	0.00053	1.66	362.73	346.29	0.29
2400	1:100 AÑOS	350.16	8.35	12.23	11.41	12.29	0.000556	1.72	388.66	351.65	0.3
2320	1:50 AÑOS	311.1	8.24	12.13	11.45	12.18	0.000554	1.61	352.84	319.54	0.29
2320	1:100 AÑOS	351.79	8.24	12.2	11.5	12.25	0.000585	1.68	375.97	322.03	0.3
2300	1:50 AÑOS	312.54	8.2	12.07	11.62	12.16	0.000629	1.95	318.19	324.88	0.34
2300	1:100 AÑOS	353.43	8.2	12.14	11.67	12.23	0.000668	2.04	340.93	326.99	0.35
2280	1:50 AÑOS	313.99	8.08	11.99	11.75	12.14	0.001008	2.44	268.84	311.54	0.42
2280	1:100 AÑOS	355.06	8.08	12.06	11.86	12.21	0.001069	2.55	290.47	326.16	0.44
2260	1:50 AÑOS	315.43	7.95	11.89	11.8	12.11	0.001646	3	229.08	299.17	0.52
2260	1:100 AÑOS	356.69	7.95	11.98	11.89	12.18	0.001589	2.99	254.72	301.87	0.51
2240	1:50 AÑOS	316.87	7.98	11.72	11.71	12.04	0.003864	3.53	168.11	246.69	0.73
2240	1:100 AÑOS	358.32	7.98	11.9	11.82	12.13	0.002814	3.16	214.44	282.98	0.63
2220	1:50 AÑOS	318.31	8.12	11.74	11.62	11.95	0.002594	2.86	188.28	227.34	0.61
2220	1:100 AÑOS	359.95	8.12	11.89	11.67	12.07	0.002046	2.65	223.8	236.35	0.54
2200	1:50 AÑOS	319.76	8.06	11.69	11.5	11.9	0.002348	2.78	186.23	201.45	0.58
2200	1:100 AÑOS	361.58	8.06	11.84	11.56	12.03	0.002004	2.68	216.59	210.82	0.54
2180	1:50 AÑOS	321.2	7.73	11.64	11.3	11.85	0.002071	2.95	189.6	188.65	0.56
2180	1:100 AÑOS	363.21	7.73	11.8	11.34	11.99	0.00176	2.82	220.19	198.5	0.52
2160	1:50 AÑOS	322.64	7.83	11.68	11	11.8	0.000963	2.27	244.85	194.77	0.4
2160	1:100 AÑOS	364.84	7.83	11.82	11.1	11.94	0.000888	2.25	274.1	201.4	0.39
2140	1:50 AÑOS	324.08	8.02	11.69	10.55	11.77	0.000664	1.66	278.22	190.89	0.33
2140	1:100 AÑOS	366.47	8.02	11.83	10.66	11.92	0.000638	1.68	306.1	195.48	0.33
2120	1:50 AÑOS	325.53	8.15	11.7	9.59	11.75	0.000369	1.26	331.55	181.53	0.24
2120	1:100 AÑOS	368.1	8.15	11.84	9.7	11.9	0.000376	1.32	357.83	185.59	0.25

2100	1:50 AÑOS	326.97	8.21	11.68	9.69	11.74	0.000445	1.26	314.8	184.39	0.25
2100	1:100 AÑOS	369.74	8.21	11.83	9.81	11.89	0.000445	1.3	341.38	186.95	0.26
2080	1:50 AÑOS	328.41	8	11.66	10	11.73	0.000536	1.48	292	176.79	0.28
2080	1:100 AÑOS	371.37	8	11.8	10.16	11.88	0.000535	1.53	317.47	180.93	0.28
2060	1:50 AÑOS	329.85	7.88	11.61	10.39	11.71	0.000856	1.94	248.4	169.63	0.36
2060	1:100 AÑOS	373	7.88	11.75	10.56	11.86	0.00083	1.98	273.02	173.76	0.36
2040	1:50 AÑOS	331.3	7.85	11.61	10.2	11.69	0.000581	1.77	287.79	188.31	0.32
2040	1:100 AÑOS	374.63	7.85	11.76	10.35	11.84	0.000572	1.81	315.46	199.35	0.32
2020	1:50 AÑOS	332.74	7.82	11.63	10.42	11.68	0.000358	1.46	379.5	270.57	0.25
2020	1:100 AÑOS	376.26	7.82	11.77	10.53	11.82	0.000345	1.47	419.75	279.1	0.25
2000	1:50 AÑOS	334.18	7.82	11.62	10.33	11.67	0.00031	1.33	388.1	247.45	0.24
2000	1:100 AÑOS	377.89	7.82	11.77	10.55	11.82	0.000307	1.36	424.49	251.37	0.24
1980	1:50 AÑOS	335.62	7.83	11.6	10.49	11.66	0.000366	1.42	351.59	219.82	0.25
1980	1:100 AÑOS	379.52	7.83	11.75	10.58	11.81	0.000367	1.46	383.84	224.58	0.26
1960	1:50 AÑOS	337.07	7.81	11.56	10.7	11.65	0.00064	1.84	282.61	183.69	0.33
1960	1:100 AÑOS	381.15	7.81	11.7	10.86	11.8	0.000632	1.89	309.3	188.59	0.33
1940	1:50 AÑOS	338.51	7.77	11.58	10.01	11.63	0.000223	1.19	384	175	0.2
1940	1:100 AÑOS	382.78	7.77	11.73	10.08	11.77	0.000234	1.26	409	175	0.21
1920	1:50 AÑOS	339.95	7.71	11.59	10.25	11.62	0.000191	1.13	475.96	270.35	0.19
1920	1:100 AÑOS	384.42	7.71	11.73	10.31	11.77	0.000191	1.17	515.19	271.55	0.19
1900	1:50 AÑOS	341.39	7.65	11.58	10.57	11.61	0.000248	1.27	476.7	333.82	0.22
1900	1:100 AÑOS	386.05	7.65	11.73	10.65	11.76	0.000237	1.27	525.97	337.54	0.21
1880	1:50 AÑOS	342.83	7.56	11.58	10.38	11.61	0.000215	1.23	477.87	284.83	0.2
1880	1:100 AÑOS	387.68	7.56	11.72	10.52	11.76	0.000214	1.26	519.79	289.65	0.2
1860	1:50 AÑOS	367.62	7.5	11.57	10.08	11.6	0.000251	1.08	485.2	300.6	0.21
1860	1:100 AÑOS	415.7	7.5	11.72	10.13	11.75	0.000247	1.11	529.35	304.93	0.21
1840	1:50 AÑOS	369.06	7.52	11.54	10.3	11.6	0.00032	1.42	409.68	259.53	0.24

1840	1:100 AÑOS	417.33	7.52	11.68	10.32	11.74	0.000317	1.45	447.82	263.51	0.24
1820	1:50 AÑOS	370.5	7.55	11.38	10.98	11.57	0.001382	2.74	254.65	248.22	0.49
1820	1:100 AÑOS	418.97	7.55	11.57	11.07	11.72	0.001115	2.55	300.83	253.54	0.44
1800	1:50 AÑOS	371.95	7.58	11.26	11.01	11.53	0.001888	3.14	191.46	145.82	0.57
1800	1:100 AÑOS	420.6	7.58	11.42	11.09	11.69	0.001719	3.1	215.93	148.23	0.55
1780	1:50 AÑOS	373.39	7.56	11.27	10.88	11.48	0.001537	2.8	209.23	145.98	0.51
1780	1:100 AÑOS	422.23	7.56	11.43	10.96	11.64	0.001429	2.79	233.1	147.92	0.5
1760	1:50 AÑOS	374.83	7.47	11.26	10.73	11.44	0.001249	2.58	224.31	144.28	0.46
1760	1:100 AÑOS	423.86	7.47	11.42	10.82	11.6	0.001187	2.6	247.69	147.51	0.46
1740	1:50 AÑOS	376.27	7.38	11.26	10.64	11.41	0.001068	2.38	241.19	152.25	0.43
1740	1:100 AÑOS	425.49	7.38	11.42	10.72	11.57	0.001017	2.41	265.99	154.08	0.42
1720	1:50 AÑOS	377.72	7.39	11.26	10.55	11.38	0.000824	2.12	278.11	174.66	0.38
1720	1:100 AÑOS	427.12	7.39	11.43	10.63	11.54	0.000788	2.14	306.88	178.07	0.37
1700	1:50 AÑOS	379.16	7.46	11.28	10.11	11.35	0.000386	1.62	354.28	189.41	0.27
1700	1:100 AÑOS	428.75	7.46	11.44	10.2	11.52	0.000383	1.66	385.16	189.84	0.27
1680	1:50 AÑOS	380.6	7.39	11.28	9.69	11.34	0.000331	1.42	384.92	199.62	0.25
1680	1:100 AÑOS	430.38	7.39	11.45	9.77	11.51	0.000331	1.47	417.59	201.7	0.25
1660	1:50 AÑOS	382.04	7.23	11.28	9.5	11.34	0.000289	1.4	398.09	192.95	0.23
1660	1:100 AÑOS	432.01	7.23	11.44	9.64	11.5	0.000295	1.45	429.63	195.78	0.24
1640	1:50 AÑOS	383.49	7.32	11.27	9.7	11.33	0.000359	1.55	373.4	189.8	0.26
1640	1:100 AÑOS	433.65	7.32	11.43	9.84	11.5	0.000361	1.6	404.4	192.73	0.26
1620	1:50 AÑOS	384.93	7.4	11.25	9.7	11.32	0.000379	1.6	364.77	187.86	0.27
1620	1:100 AÑOS	435.28	7.4	11.42	9.85	11.49	0.000382	1.65	395.43	190.91	0.27
1600	1:50 AÑOS	386.37	7.44	11.23	10.01	11.31	0.000489	1.83	335.33	182.26	0.31
1600	1:100 AÑOS	436.91	7.44	11.39	10.18	11.48	0.000489	1.89	365.16	186.82	0.31
1580	1:50 AÑOS	387.81	7.39	11.22	9.99	11.3	0.000518	1.82	326.54	176.39	0.31
1580	1:100 AÑOS	438.54	7.39	11.38	10.37	11.47	0.000514	1.86	355.22	178.71	0.31

1560	1:50 AÑOS	389.26	7.19	11.21	9.91	11.29	0.000509	1.61	331.42	186.03	0.3
1560	1:100 AÑOS	440.17	7.19	11.37	9.91	11.46	0.000503	1.66	361.77	189.17	0.3
1540	1:50 AÑOS	390.7	7.03	11.14	10.39	11.27	0.000795	2.05	274.23	167.5	0.38
1540	1:100 AÑOS	441.8	7.03	11.31	10.48	11.44	0.000771	2.09	301.75	171.41	0.37
1520	1:50 AÑOS	392.14	6.95	11.17	9.44	11.24	0.000268	1.37	367.31	165.76	0.23
1520	1:100 AÑOS	443.43	6.95	11.33	9.6	11.41	0.000281	1.44	393.94	166.73	0.24
1480	1:50 AÑOS	393.58	6.95	11.19	9.33	11.23	0.000131	1.02	562.9	268.6	0.16
1480	1:100 AÑOS	445.06	6.95	11.36	9.49	11.39	0.000134	1.06	606.91	269.94	0.17
1460	1:50 AÑOS	395.02	6.94	11.19	9.68	11.22	0.000194	1.08	535.23	284.88	0.19
1460	1:100 AÑOS	446.69	6.94	11.35	9.75	11.39	0.000192	1.1	581.98	286.32	0.19
1440	1:50 AÑOS	396.47	6.97	11.18	9.27	11.22	0.000273	1.21	469.86	265.37	0.22
1440	1:100 AÑOS	448.33	6.97	11.34	9.42	11.38	0.000269	1.24	513.54	268.9	0.22
1420	1:50 AÑOS	397.91	6.89	11.15	10.19	11.21	0.000443	1.52	397.89	249.12	0.27
1420	1:100 AÑOS	449.96	6.89	11.31	10.27	11.37	0.000421	1.53	439.09	251.83	0.27
1400	1:50 AÑOS	399.35	6.73	11.14	9.63	11.2	0.000288	1.36	441.78	249.98	0.23
1400	1:100 AÑOS	451.59	6.73	11.31	9.88	11.37	0.000285	1.39	483.12	253.13	0.23
1380	1:50 AÑOS	400.79	6.73	11.14	10.14	11.19	0.000337	1.46	446.65	278.06	0.25
1380	1:100 AÑOS	453.22	6.73	11.31	10.21	11.36	0.00032	1.47	492.88	280.27	0.25
1360	1:50 AÑOS	402.24	6.79	11.14	10.17	11.18	0.000256	1.3	512.19	310	0.22
1360	1:100 AÑOS	454.85	6.79	11.31	10.25	11.35	0.000244	1.3	563.76	312.68	0.21
1340	1:50 AÑOS	403.68	6.71	11.08	10.35	11.17	0.000578	1.94	365.81	266.98	0.32
1340	1:100 AÑOS	456.48	6.71	11.25	10.44	11.34	0.00053	1.91	412.14	273.18	0.31
1320	1:50 AÑOS	405.12	6.68	11.05	10.24	11.16	0.000668	2.15	341.35	242.66	0.35
1320	1:100 AÑOS	458.11	6.68	11.23	10.33	11.32	0.000607	2.11	383.62	245.59	0.34
1300	1:50 AÑOS	406.56	6.67	11.06	10.16	11.14	0.000546	1.92	365.35	234.36	0.32
1300	1:100 AÑOS	459.74	6.67	11.23	10.22	11.31	0.000514	1.92	405.77	239.1	0.31
1280	1:50 AÑOS	408.01	6.67	11.06	10.08	11.12	0.000426	1.74	398.88	240.08	0.28
1280	1:100 AÑOS	461.37	6.67	11.23	10.14	11.3	0.000408	1.75	440.18	244.55	0.28

1260	1:50 AÑOS	409.45	6.68	11.06	9.87	11.11	0.000312	1.52	444.66	244.76	0.24
1260	1:100 AÑOS	463.01	6.68	11.23	10.01	11.28	0.000302	1.54	486.47	246.6	0.24
1240	1:50 AÑOS	410.89	6.61	11.07	9.65	11.1	0.000207	1.24	536.83	283.92	0.2
1240	1:100 AÑOS	464.64	6.61	11.24	9.84	11.27	0.000202	1.26	585.38	285.62	0.2
1220	1:50 AÑOS	412.33	6.58	11.08	9.5	11.09	0.000108	0.84	703.93	332.89	0.14
1220	1:100 AÑOS	466.27	6.58	11.25	9.56	11.27	0.000108	0.86	760.8	333.51	0.14
1200	1:50 AÑOS	413.78	6.69	11.06	9.44	11.09	0.000154	0.95	591.49	284.16	0.17
1200	1:100 AÑOS	467.9	6.69	11.23	9.58	11.26	0.000154	0.99	640.02	286.75	0.17
1180	1:50 AÑOS	415.22	6.7	11.06	9.34	11.09	0.000133	1	595.53	272.77	0.16
1180	1:100 AÑOS	469.53	6.7	11.23	9.43	11.26	0.000136	1.04	642.02	274.95	0.17
1160	1:50 AÑOS	416.66	6.54	11.06	9.43	11.08	0.000157	0.94	585.21	271.04	0.17
1160	1:100 AÑOS	471.16	6.54	11.23	9.48	11.26	0.000159	0.98	631.49	274.6	0.17
1140	1:50 AÑOS	418.1	6.62	11.06	9.15	11.08	0.000109	0.86	698.07	314.39	0.14
1140	1:100 AÑOS	472.79	6.62	11.23	9.25	11.25	0.00011	0.89	751.63	315.47	0.14
1120	1:50 AÑOS	419.55	6.77	11.06	8.73	11.08	0.000061	0.61	849.21	325.14	0.1
1120	1:100 AÑOS	474.42	6.77	11.23	8.81	11.25	0.000063	0.64	904.65	326.25	0.11
1100	1:50 AÑOS	420.99	6.76	11.06	8.21	11.07	0.000055	0.63	835.31	291.37	0.1
1100	1:100 AÑOS	476.05	6.76	11.23	8.28	11.25	0.000058	0.67	884.9	292.51	0.11
1080	1:50 AÑOS	422.43	6.73	11.06	8.41	11.07	0.00006	0.64	800.37	277.72	0.11
1080	1:100 AÑOS	477.69	6.73	11.23	8.48	11.24	0.000064	0.68	847.55	278.58	0.11
1060	1:50 AÑOS	423.87	6.73	11.06	8.53	11.07	0.000057	0.62	818.16	280.04	0.1
1060	1:100 AÑOS	479.32	6.73	11.23	8.59	11.24	0.000061	0.66	865.71	280.85	0.11
1040	1:50 AÑOS	425.32	6.76	11.05	8.81	11.07	0.00007	0.67	784.34	291.41	0.11
1040	1:100 AÑOS	480.95	6.76	11.22	8.88	11.24	0.000073	0.71	833.81	292.41	0.12
1020	1:50 AÑOS	426.76	6.75	11.05	8.94	11.07	0.00009	0.78	731.59	296.02	0.13
1020	1:100 AÑOS	482.58	6.75	11.22	8.95	11.24	0.000093	0.82	781.78	296.89	0.13
1000	1:50 AÑOS	428.2	6.73	11.03	8.95	11.06	0.000161	1.08	544.51	222.71	0.18

1000	1:100 AÑOS	484.21	6.73	11.2	8.95	11.24	0.000168	1.13	581.99	225.63	0.18
980	1:50 AÑOS	429.64	6.72	11.03	8.91	11.06	0.00016	1.1	538.58	214.11	0.18
980	1:100 AÑOS	485.84	6.72	11.19	9.18	11.23	0.000168	1.16	574.49	216.35	0.18
960	1:50 AÑOS	431.09	6.74	11.02	8.83	11.06	0.000183	1.15	510.36	205.61	0.19
960	1:100 AÑOS	487.47	6.74	11.18	8.99	11.23	0.000192	1.21	544.75	208.28	0.19
940	1:50 AÑOS	432.53	6.75	11	9.11	11.05	0.00024	1.26	462.35	196.33	0.21
940	1:100 AÑOS	489.1	6.75	11.17	9.25	11.22	0.000253	1.34	495.13	200.84	0.22
920	1:50 AÑOS	433.97	6.73	11	9.2	11.05	0.000256	1.36	467.46	210.22	0.22
920	1:100 AÑOS	490.73	6.73	11.17	9.48	11.22	0.000263	1.41	502.78	222.71	0.22
900	1:50 AÑOS	435.41	6.71	11	9.41	11.04	0.000196	1.16	521.02	223.28	0.19
900	1:100 AÑOS	492.37	6.71	11.17	9.48	11.21	0.000201	1.21	558.05	223.87	0.19
880	1:50 AÑOS	436.86	6.7	11	9.76	11.04	0.000266	1.38	528.07	292.43	0.22
880	1:100 AÑOS	494	6.7	11.16	9.84	11.21	0.000258	1.39	577.42	295.24	0.22
860	1:50 AÑOS	438.3	6.68	10.94	9.63	11.02	0.000446	1.8	367.05	174.37	0.29
860	1:100 AÑOS	495.63	6.68	11.1	9.72	11.19	0.000471	1.9	395.96	182.19	0.3
840	1:50 AÑOS	439.74	6.69	10.96	9.66	11.01	0.000281	1.41	488.34	249.66	0.23
840	1:100 AÑOS	497.26	6.69	11.12	9.75	11.17	0.000279	1.44	529.54	251.9	0.23
820	1:50 AÑOS	441.18	6.69	10.93	9.72	11	0.000376	1.57	410.73	197.65	0.26
820	1:100 AÑOS	498.89	6.69	11.1	9.8	11.17	0.000381	1.62	442.86	199.65	0.26
800	1:50 AÑOS	442.62	6.67	10.92	9.78	10.99	0.000399	1.6	404.65	199.83	0.27
800	1:100 AÑOS	500.52	6.67	11.08	9.85	11.16	0.000401	1.65	437.11	201.76	0.27
780	1:50 AÑOS	444.07	6.65	10.94	9.72	10.97	0.000243	1.25	571.22	325.17	0.21
780	1:100 AÑOS	502.15	6.65	11.1	9.79	11.14	0.000234	1.27	624.98	328.36	0.21
760	1:50 AÑOS	445.51	6.58	10.95	8.97	10.97	0.000082	0.75	796.28	319.65	0.12
760	1:100 AÑOS	503.78	6.58	11.11	9.05	11.13	0.000086	0.79	848.93	321.45	0.12
740	1:50 AÑOS	446.95	6.51	10.95	7.54	10.96	0.000028	0.44	1115.51	330.13	0.07
740	1:100 AÑOS	505.41	6.51	11.12	7.63	11.13	0.000031	0.47	1170.09	332.7	0.07

720	1:50 AÑOS	448.39	6.43	10.95	7.72	10.96	0.000028	0.43	1093.12	316.24	0.07
720	1:100 AÑOS	507.05	6.43	11.12	7.8	11.13	0.000031	0.46	1145.41	319.32	0.08
700	1:50 AÑOS	449.84	6.37	10.95	7.34	10.96	0.000041	0.54	906.36	263.71	0.09
700	1:100 AÑOS	508.68	6.37	11.11	7.42	11.13	0.000046	0.58	949.78	266.75	0.09
680	1:50 AÑOS	451.28	6.42	10.94	7.65	10.96	0.000046	0.56	844.76	239.61	0.09
680	1:100 AÑOS	510.31	6.42	11.11	7.75	11.13	0.000052	0.61	884.07	242.46	0.1
660	1:50 AÑOS	452.72	6.47	10.92	8.36	10.96	0.000174	1.09	525.92	200.17	0.18
660	1:100 AÑOS	511.94	6.47	11.08	8.56	11.12	0.000188	1.17	558.32	204.68	0.19
640	1:50 AÑOS	454.16	6.48	10.87	8.75	10.95	0.000378	1.7	387.59	170.13	0.27
640	1:100 AÑOS	513.57	6.48	11.02	8.75	11.11	0.000407	1.81	414.35	176.21	0.28
620	1:50 AÑOS	455.61	6.47	10.71	10.11	10.92	0.001049	2.71	265.97	160.88	0.45
620	1:100 AÑOS	515.2	6.47	10.87	10.22	11.09	0.001054	2.79	291.23	165.45	0.45
600	1:50 AÑOS	457.05	6.4	10.58	10.13	10.89	0.001972	3.3	204.59	117.89	0.57
600	1:100 AÑOS	516.83	6.4	10.72	10.23	11.05	0.002015	3.43	221.05	120.01	0.58
580	1:50 AÑOS	458.49	6.3	10.43	10.15	10.83	0.002503	3.77	184.25	111.25	0.64
580	1:100 AÑOS	518.46	6.3	10.56	10.26	10.99	0.002596	3.93	198.53	113.54	0.66
560	1:50 AÑOS	459.93	6.21	10.13	10.13	10.75	0.003742	4.7	160	113.72	0.81
560	1:100 AÑOS	520.09	6.21	10.25	10.25	10.91	0.003852	4.88	174.02	117.39	0.82
540	1:50 AÑOS	461.38	6.28	10.04	10.04	10.65	0.003602	4.52	159.64	111.47	0.8
540	1:100 AÑOS	521.73	6.28	10.16	10.16	10.8	0.003703	4.69	172.79	117.39	0.82
520	1:50 AÑOS	462.82	6.26	9.5	9.5	10	0.004268	4.47	174.65	148.07	0.86
520	1:100 AÑOS	523.36	6.26	9.59	9.59	10.12	0.004373	4.63	188.62	150	0.87
500	1:50 AÑOS	464.26	6.04	9.17	9.17	9.75	0.00581	4.84	164.49	180.58	0.97
500	1:100 AÑOS	524.99	6.04	9.41	9.41	9.86	0.004276	4.41	208.33	188.35	0.84
480	1:50 AÑOS	465.7	5.82	9.23	9.23	9.61	0.003861	4.11	209.05	221.91	0.78
480	1:100 AÑOS	526.62	5.82	9.29	9.29	9.71	0.004151	4.33	222.54	224.58	0.81
460	1:50 AÑOS	467.15	6.07	9.23	9	9.42	0.002321	3.01	269.09	255.84	0.6
460	1:100 AÑOS	528.25	6.07	9.3	9.06	9.51	0.002419	3.13	287.71	257.59	0.61

440	1:50 AÑOS	468.59	6.39	9.19	8.92	9.37	0.002289	2.78	274.4	263.43	0.6
440	1:100 AÑOS	529.88	6.39	9.26	9	9.46	0.002394	2.9	292.98	265.21	0.61
420	1:50 AÑOS	470.03	6.48	8.98	8.95	9.29	0.004731	3.98	217.28	256.96	0.85
420	1:100 AÑOS	531.51	6.48	9.08	9.01	9.38	0.00439	3.94	241.23	259.06	0.83
400	1:50 AÑOS	471.47	6.46	8.97	8.83	9.19	0.003411	3.21	248.71	275.34	0.72
400	1:100 AÑOS	533.14	6.46	9.06	8.88	9.28	0.003216	3.21	274.29	277.23	0.7
380	1:50 AÑOS	472.92	6.45	8.85	8.73	9.11	0.004096	3.32	229.15	262.81	0.78
380	1:100 AÑOS	534.77	6.45	8.95	8.8	9.21	0.00375	3.29	255.78	265.58	0.75
360	1:50 AÑOS	474.36	6.44	8.87	8.38	9.02	0.00209	2.24	280.16	255.07	0.54
360	1:100 AÑOS	536.4	6.44	8.96	8.47	9.13	0.002075	2.31	304.4	259.3	0.55
340	1:50 AÑOS	475.8	6.44	8.85	8.17	8.98	0.001625	1.82	305.18	259.42	0.47
340	1:100 AÑOS	538.04	6.44	8.94	8.3	9.09	0.001635	1.9	329.85	261.62	0.47
320	1:50 AÑOS	477.24	6.44	8.83	8.12	8.94	0.001393	1.55	321.96	267.8	0.43
320	1:100 AÑOS	539.67	6.44	8.92	8.21	9.05	0.001413	1.63	347.41	270.76	0.44
300	1:50 AÑOS	478.69	6.36	8.82	8.04	8.91	0.001126	1.44	350.61	278.13	0.39
300	1:100 AÑOS	541.3	6.36	8.91	8.12	9.02	0.001148	1.52	377.15	279.73	0.4
280	1:50 AÑOS	480.13	6.26	8.85	7.68	8.88	0.000366	1.16	567.76	379.3	0.24
280	1:100 AÑOS	542.93	6.26	8.95	7.74	8.99	0.000381	1.22	605.34	381.15	0.25
260	1:50 AÑOS	481.57	6.26	8.81	7.88	8.87	0.000713	1.32	445.53	333.35	0.32
260	1:100 AÑOS	544.56	6.26	8.91	7.95	8.98	0.000727	1.38	477.64	334.63	0.32
240	1:50 AÑOS	483.01	6.36	8.77	8.04	8.85	0.001018	1.36	386.88	320.69	0.37
240	1:100 AÑOS	546.19	6.36	8.86	8.14	8.96	0.00104	1.44	417.1	330.78	0.38
220	1:50 AÑOS	484.46	6.49	8.77	7.91	8.83	0.00082	1.34	440.5	371.1	0.34
220	1:100 AÑOS	547.82	6.49	8.86	7.99	8.93	0.000843	1.41	475.88	377.19	0.35
160	1:50 AÑOS	485.9	6.62	8.74	7.8	8.8	0.000558	1.34	493.69	383.61	0.3
160	1:100 AÑOS	549.45	6.62	8.83	7.87	8.9	0.000573	1.4	530.14	385.72	0.31
140	1:50 AÑOS	487.34	6.85	8.68	8.12	8.77	0.001268	1.6	388.01	371.49	0.42

140	1:100 AÑOS	551.08	6.85	8.78	8.17	8.87	0.001234	1.64	422.98	373.58	0.42
120	1:50 AÑOS	488.78	6.91	8.64	8.17	8.74	0.001642	1.78	362.26	367.39	0.48
120	1:100 AÑOS	552.72	6.91	8.74	8.27	8.84	0.001574	1.82	397.32	372.5	0.48
100	1:50 AÑOS	490.22	6.77	8.59	8.1	8.7	0.001711	1.88	337.89	319.45	0.5
100	1:100 AÑOS	554.35	6.77	8.69	8.22	8.81	0.001666	1.93	367.72	321.21	0.5
80	1:50 AÑOS	491.67	6.68	8.54	8.14	8.67	0.002083	1.84	314.51	306.89	0.53
80	1:100 AÑOS	555.98	6.68	8.63	8.2	8.77	0.002013	1.9	343.28	309.44	0.53
60	1:50 AÑOS	493.11	6.65	8.52	7.92	8.62	0.001596	1.78	342.66	308.62	0.47
60	1:100 AÑOS	557.61	6.65	8.61	8.08	8.73	0.001571	1.84	371.9	311.02	0.48
40	1:50 AÑOS	494.55	6.41	8.49	7.83	8.59	0.001327	1.79	358.17	297.71	0.44
40	1:100 AÑOS	559.24	6.41	8.59	7.9	8.7	0.001332	1.86	386.28	299.56	0.44
20	1:50 AÑOS	495.99	6.01	8.47	7.77	8.57	0.00117	2	362.66	283.46	0.44
20	1:100 AÑOS	560.87	6.01	8.56	7.85	8.67	0.001203	2.09	389.14	286.03	0.45
0	1:50 AÑOS	497.44	5.67	8.42	7.93	8.54	0.0014	2.34	349.23	298.8	0.49
0	1:100 AÑOS	562.5	5.67	8.52	8.01	8.64	0.001402	2.4	377.42	300.44	0.49

4.1.2 Gráficas

4.1.2.1 Variación de Velocidad Bancos Laterales

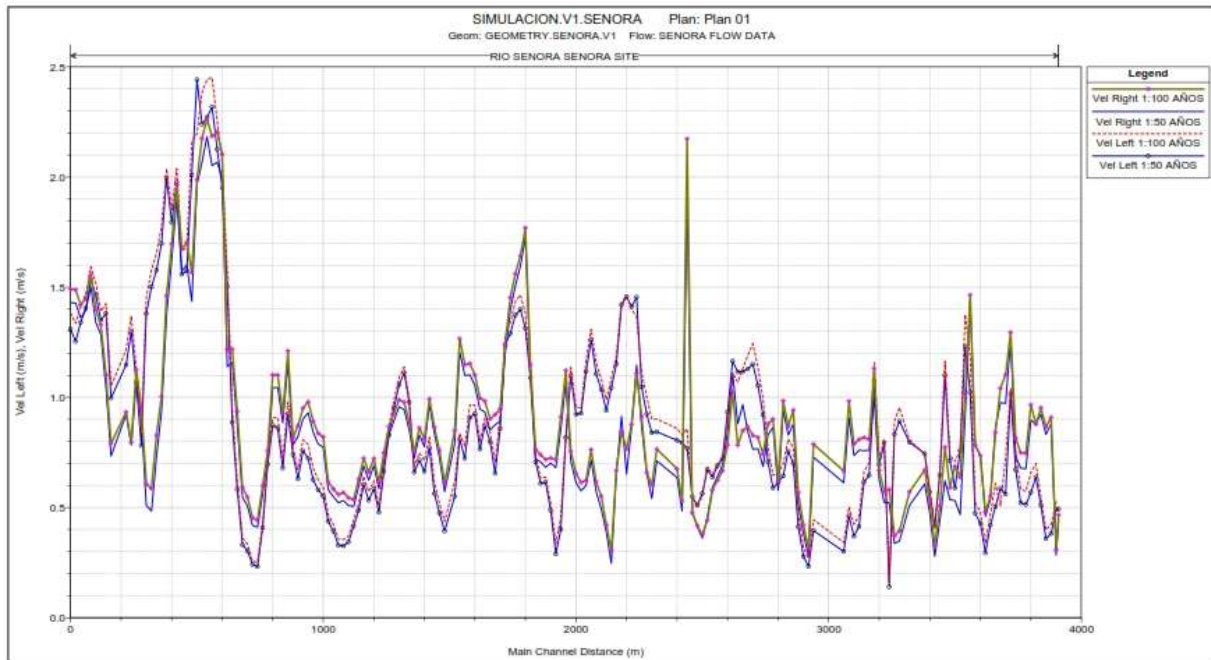


Ilustración 3. Velocidades Overbanks Simulación TN

4.1.2.2 Planicie de Inundación

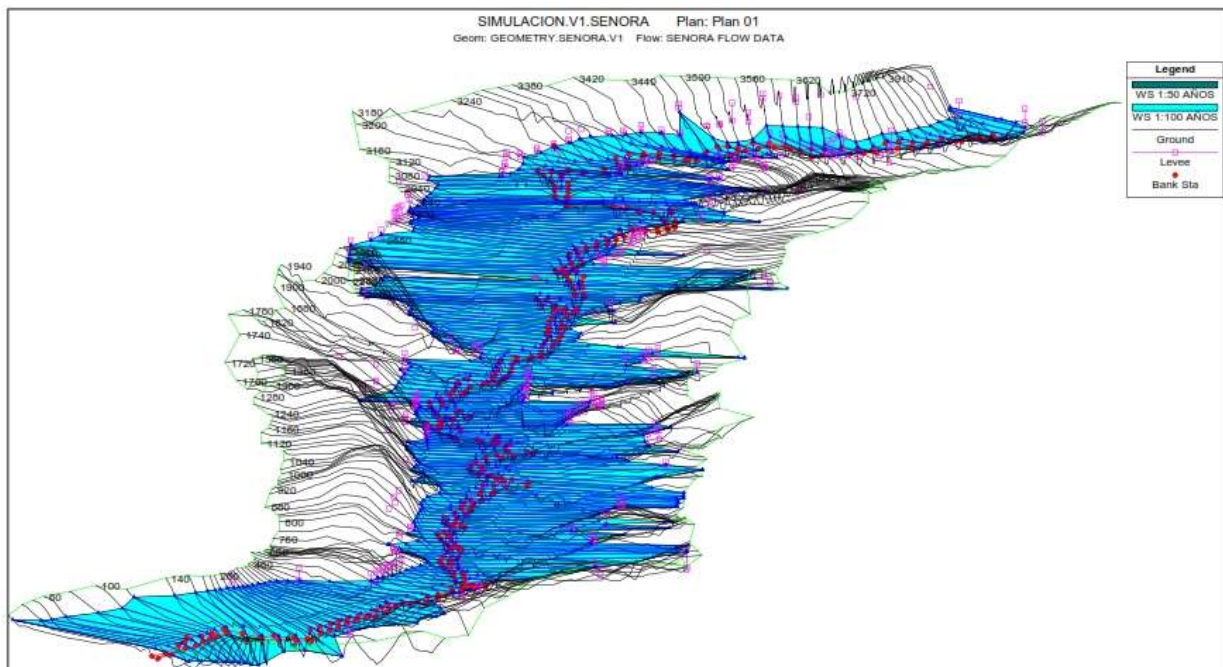


Ilustración 4. Planicie de Inundación Simulación TN

4.1.2.3 Variación de Velocidad Cauce

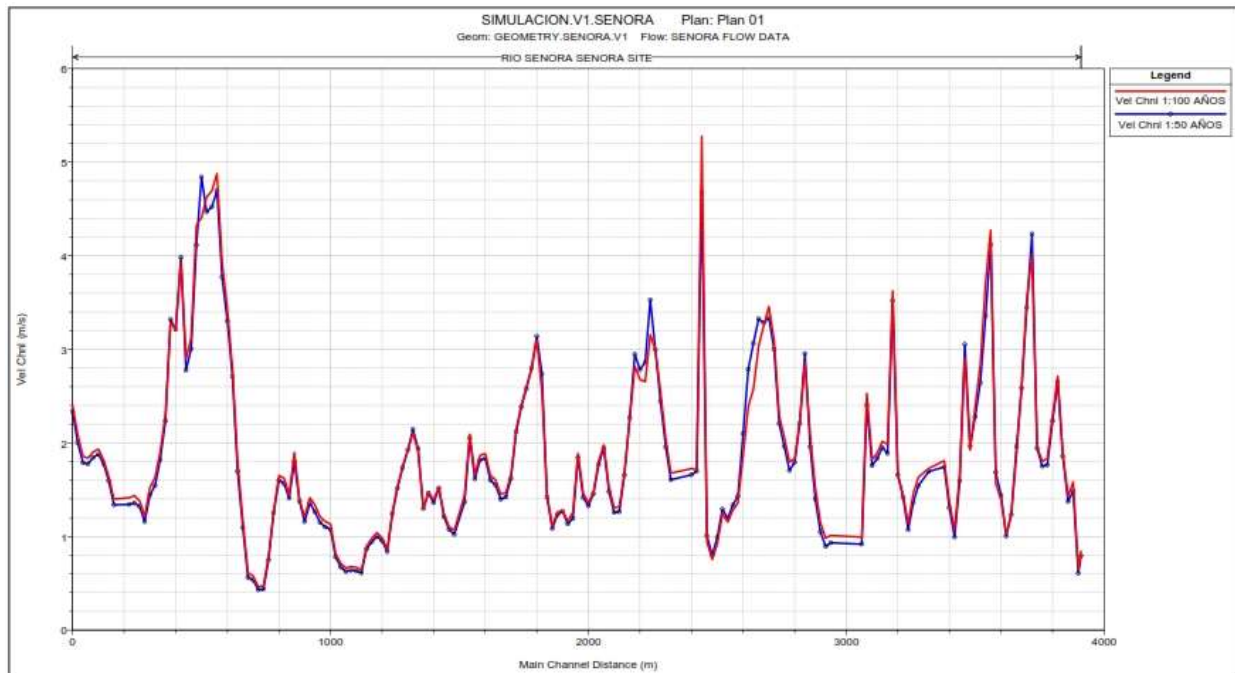


Ilustración 5. Velocidad Canal Simulación TN

4.1.2.4 Variación Número de Froude

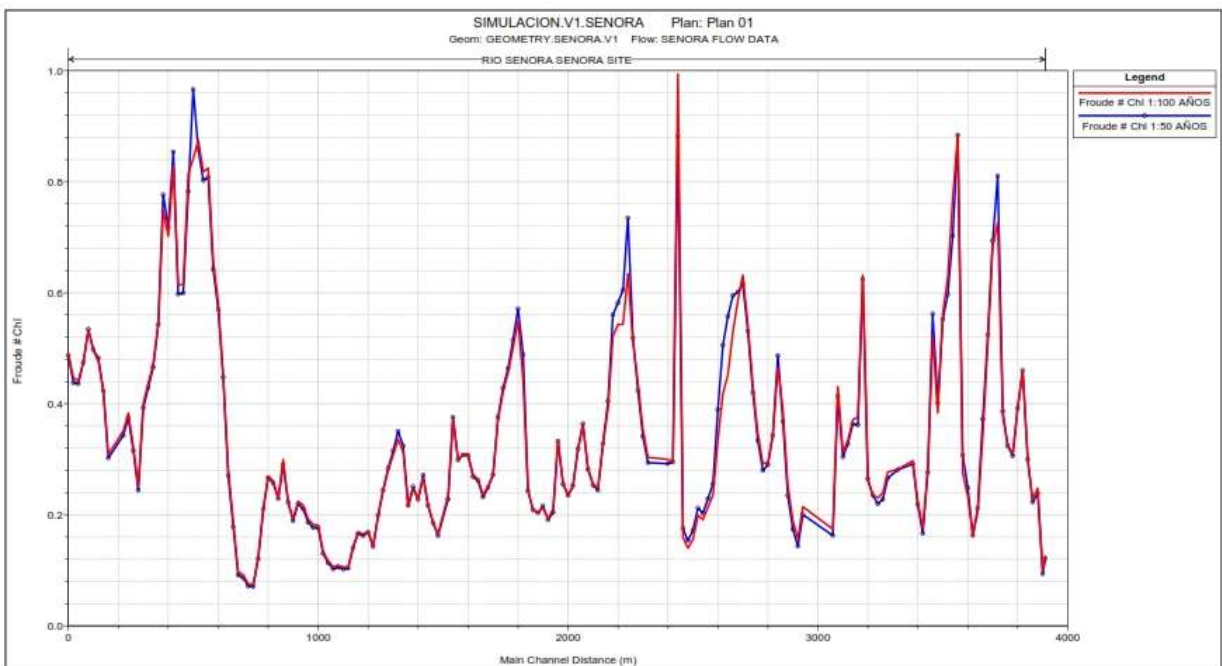


Ilustración 6. Variación Número de Froude Simulación TN

4.1.2.5 Variación Área de Flujo

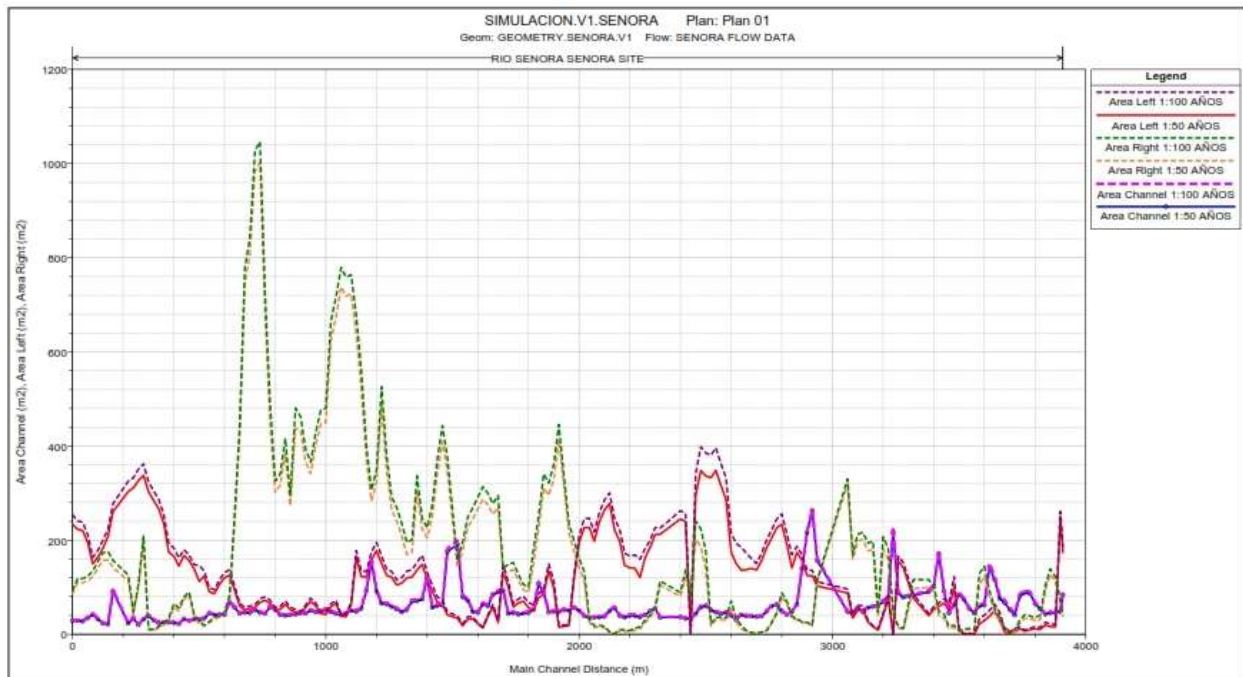


Ilustración 7. Variación de Área de Flujo Simulación TN

4.1.2.6 Variación de Caudales

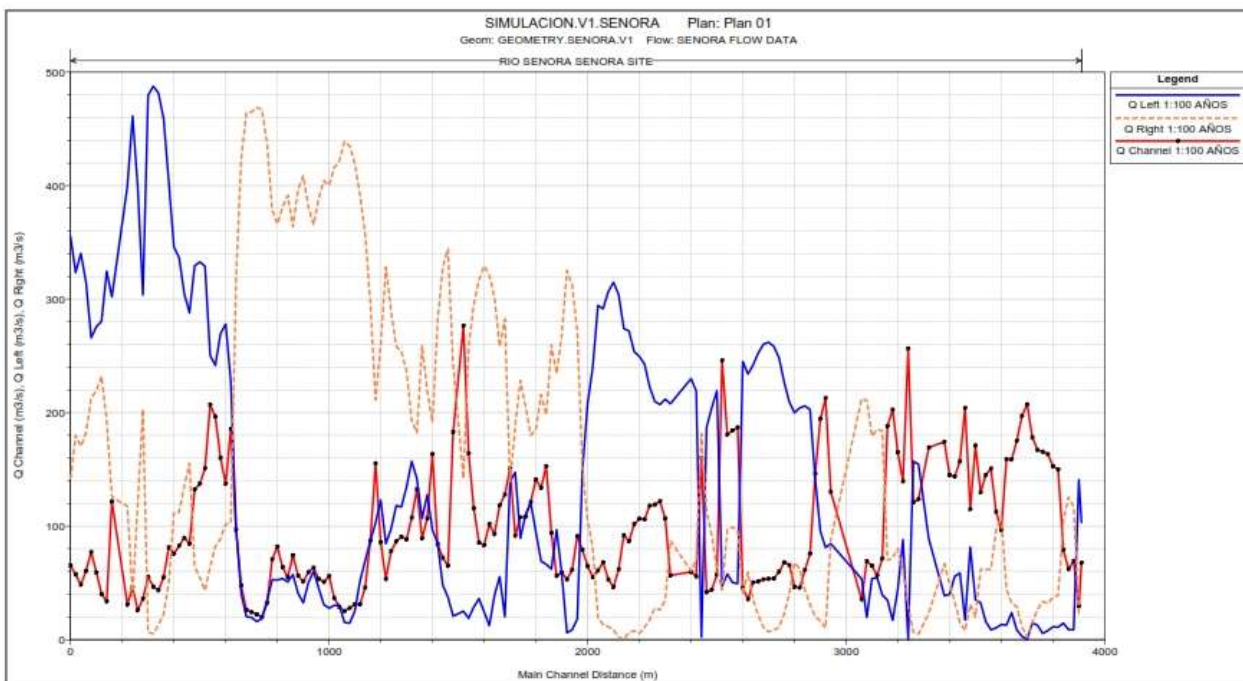
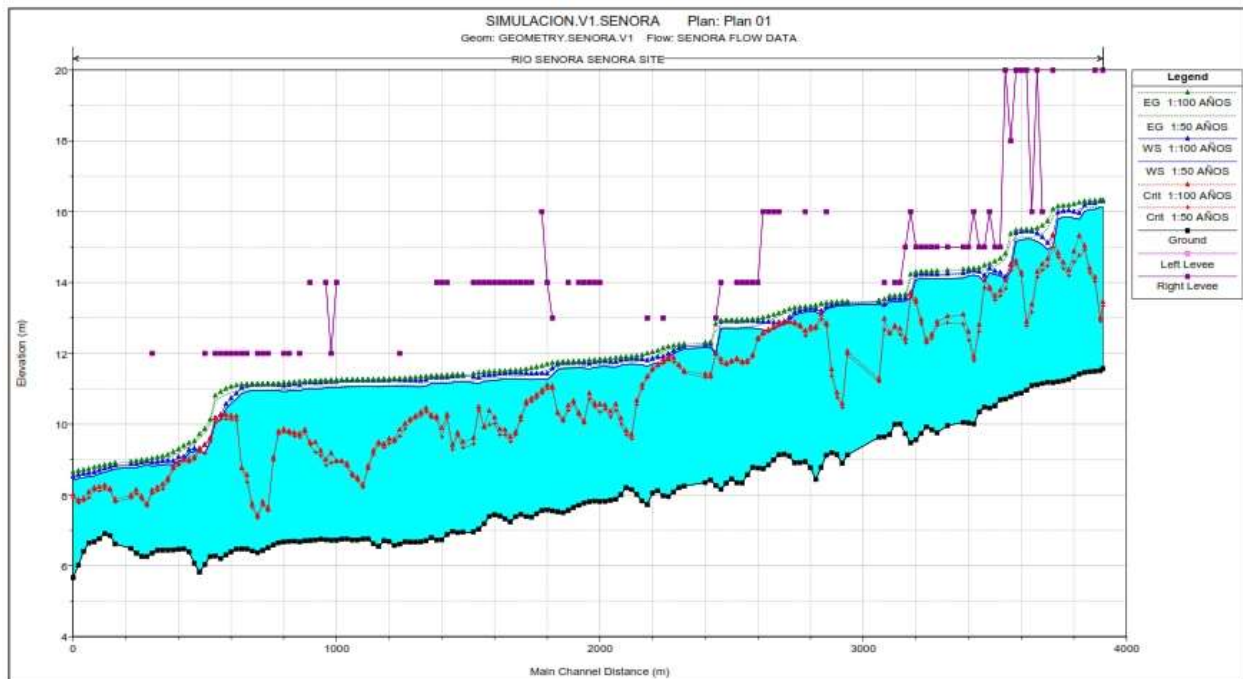


Ilustración 8. Variación de Caudales Canal y Bancos Laterales Simulación TN

4.1.2.7 Perfil de Simulación y Línea de Energía



4.1.3 ANALISIS DE RESULTADOS PARA CONDICIONES NATURALES

Basados en los resultados obtenidos en los análisis previamente presentados para el curso de agua del río Señora, se ha determinado que el cauce natural existente no tiene la capacidad hidráulica para mantener contenido el caudal generado por una lluvia extraordinaria con tiempo de recurrencia de 1 en 50 años. Como se puede apreciar en algunas secciones transversales del anexo A.2, el agua se desborda a ambos lados del cauce.

El régimen de flujo es subcrítico y hay tres zonas donde se producen velocidades mayores a 3 m/s dentro del alineamiento (ilustración 12).

Después de analizadas las áreas inundables, se procedió a realizar los ajustes de Terracería adyacente al río Señora esto fue aumentando las terracerías y evitando tocar los bosques de galería.

4.2 CONDICION DE DISEÑO

4.2.1 Tablas de Resultados

Tabla 9. Resultados de Simulación Condición de Diseño.

River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
		(m ³ /s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m ²)	(m)	
3910.03	1:50 AÑOS	169.64	11.57	16.18	13.29	16.2	0.000063	0.71	303.05	109.24	0.11
3910.03	1:100 AÑOS	191.82	11.57	16.33	13.39	16.35	0.000068	0.76	320.06	110.51	0.12
3900	1:50 AÑOS	171.08	11.51	16.18	12.9	16.19	0.000039	0.57	371.11	125.45	0.09
3900	1:100 AÑOS	193.46	11.51	16.34	12.97	16.35	0.000043	0.61	390.77	127.79	0.09
3880	1:50 AÑOS	172.52	11.49	16.12	13.99	16.19	0.000268	1.39	179.36	100.23	0.23
3880	1:100 AÑOS	195.09	11.49	16.27	14.11	16.34	0.000292	1.49	195.02	110.02	0.24
3860	1:50 AÑOS	173.96	11.48	16.13	14.23	16.18	0.000253	1.28	195.69	113.71	0.21
3860	1:100 AÑOS	196.72	11.48	16.28	14.34	16.33	0.000265	1.35	213.43	121.66	0.22
3840	1:50 AÑOS	175.41	11.47	16.09	14.85	16.17	0.000434	1.59	163.85	114.09	0.28
3840	1:100 AÑOS	198.35	11.47	16.24	14.97	16.32	0.000439	1.64	181.75	122.45	0.28
3820	1:50 AÑOS	176.85	11.42	15.92	14.81	16.14	0.001001	2.3	108.32	103.05	0.42
3820	1:100 AÑOS	199.98	11.42	16.04	15.25	16.29	0.001093	2.47	122.75	137.87	0.44
3800	1:50 AÑOS	178.29	11.34	15.94	14.64	16.11	0.000716	1.95	116	81.55	0.36
3800	1:100 AÑOS	201.61	11.34	16.07	14.85	16.25	0.000749	2.06	126.96	84.87	0.37
3780	1:50 AÑOS	179.73	11.27	15.97	14.19	16.08	0.000441	1.62	137.73	82.74	0.29
3780	1:100 AÑOS	203.24	11.27	16.1	14.38	16.23	0.00047	1.71	148.88	85.82	0.3
3760	1:50 AÑOS	181.18	11.23	15.96	14.4	16.07	0.000509	1.62	138.1	88.57	0.3
3760	1:100 AÑOS	204.87	11.23	16.09	14.59	16.22	0.000532	1.71	150.09	91.41	0.31
3740	1:50 AÑOS	182.62	11.2	15.83	14.84	16.05	0.000865	2.53	119.59	90.3	0.4
3740	1:100 AÑOS	206.5	11.2	15.98	14.97	16.19	0.000868	2.6	132.64	92.99	0.4
3720	1:50 AÑOS	184.06	11.17	15.13	15.13	15.96	0.003318	4.3	56.62	48.81	0.75
3720	1:100 AÑOS	208.14	11.17	15.53	15.53	16.13	0.002309	3.86	80.78	70.34	0.64
3700	1:50 AÑOS	185.5	11.19	14.81	14.43	15.54	0.003154	3.86	53.79	37.1	0.72

3700	1:100 AÑOS	209.77	11.19	14.97	14.66	15.76	0.003249	4.06	60.33	45.36	0.74
3680	1:50 AÑOS	186.95	11.15	15.06	14.36	15.37	0.001783	2.5	82.38	62.3	0.53
3680	1:100 AÑOS	211.4	11.15	15.26	14.5	15.57	0.001633	2.53	97.05	91.7	0.52
3660	1:50 AÑOS	188.39	11.11	15.14	14.12	15.3	0.000847	1.91	130.93	134.06	0.38
3660	1:100 AÑOS	213.03	11.11	15.36	14.27	15.5	0.000699	1.84	161.63	141.81	0.35
3640	1:50 AÑOS	189.83	11.09	15.2	13.16	15.26	0.00025	1.22	210.36	145.32	0.21
3640	1:100 AÑOS	214.66	11.09	15.41	13.41	15.47	0.000232	1.22	241.55	152.72	0.21
3620	1:50 AÑOS	191.27	10.96	15.21	12.77	15.25	0.000136	0.94	257.38	152.87	0.16
3620	1:100 AÑOS	216.29	10.96	15.42	12.9	15.46	0.000132	0.96	289.87	160.19	0.16
3600	1:50 AÑOS	192.72	10.87	15.18	14.16	15.24	0.000361	1.35	211.96	162.21	0.25
3600	1:100 AÑOS	217.92	10.87	15.4	14.24	15.45	0.000311	1.31	247.51	169.46	0.24
3580	1:50 AÑOS	194.16	10.85	15.14	14.49	15.23	0.000564	1.65	183.31	166.02	0.31
3580	1:100 AÑOS	219.55	10.85	15.37	14.58	15.44	0.000443	1.54	221.84	172.31	0.28
3560	1:50 AÑOS	195.6	10.77	14.31	14.31	15.13	0.005236	4.08	51.48	35.61	0.9
3560	1:100 AÑOS	221.18	10.77	14.48	14.48	15.34	0.005047	4.22	57.72	40.43	0.9
3540	1:50 AÑOS	197.04	10.71	14.57	13.8	14.81	0.001305	2.33	109.54	132.86	0.47
3540	1:100 AÑOS	222.82	10.71	14.88	14	15.05	0.000871	2.06	154.68	152.7	0.39
3520	1:50 AÑOS	198.48	10.69	14.6	13.62	14.77	0.00104	1.95	125.77	152.07	0.41
3520	1:100 AÑOS	224.45	10.69	14.89	13.8	15.02	0.000709	1.74	170.84	156.4	0.35
3500	1:50 AÑOS	199.93	10.51	14.62	13.49	14.74	0.000843	1.64	152.31	157.28	0.37
3500	1:100 AÑOS	226.08	10.51	14.9	13.62	14.99	0.000569	1.47	198.82	165.54	0.31
3480	1:50 AÑOS	201.37	10.45	14.66	13.78	14.7	0.00033	1.25	274.75	264.75	0.24
3480	1:100 AÑOS	227.71	10.45	14.94	13.86	14.97	0.000217	1.08	349.89	274.8	0.2
3460	1:50 AÑOS	202.81	10.48	13.66	13.66	14.6	0.005483	4.36	49.18	28.4	0.93
3460	1:100 AÑOS	229.34	10.48	13.71	13.71	14.85	0.006422	4.79	50.77	29.64	1.01
3440	1:50 AÑOS	204.25	10.34	14.18	12.63	14.27	0.000413	1.47	193.83	158.78	0.27
3440	1:100 AÑOS	230.97	10.34	14.32	12.83	14.41	0.000411	1.51	215.43	161.72	0.27

3420	1:50 AÑOS	205.7	10.01	14.21	11.78	14.25	0.000142	0.98	271.61	171.07	0.17
3420	1:100 AÑOS	232.6	10.01	14.34	11.9	14.39	0.000156	1.05	295.12	188.36	0.18
3400	1:50 AÑOS	207.14	10.03	14.19	12.36	14.25	0.000247	1.26	246.27	178.84	0.22
3400	1:100 AÑOS	234.23	10.03	14.32	12.59	14.39	0.000256	1.31	270.9	187.75	0.22
3380	1:50 AÑOS	247.63	10.06	14.12	12.78	14.23	0.000524	1.67	199.64	147	0.31
3380	1:100 AÑOS	280.03	10.06	14.25	12.96	14.37	0.000546	1.76	218.88	152.89	0.31
3320	1:50 AÑOS	249.08	9.96	14.05	12.85	14.2	0.000646	2	180.48	144.62	0.34
3320	1:100 AÑOS	281.66	9.96	14.17	12.99	14.33	0.000689	2.12	198.48	150.22	0.35
3280	1:50 AÑOS	250.52	9.76	14.07	12.76	14.15	0.000409	1.5	224.42	132.42	0.27
3280	1:100 AÑOS	283.29	9.76	14.2	12.85	14.29	0.000436	1.59	241.09	138.61	0.28
3260	1:50 AÑOS	251.96	9.84	14.08	12.4	14.14	0.000283	1.34	250.91	133.09	0.23
3260	1:100 AÑOS	284.92	9.84	14.2	12.5	14.27	0.000308	1.43	268.34	147.66	0.24
3240	1:50 AÑOS	253.4	9.93	14.07	12.31	14.14	0.000267	1.24	254.43	158.57	0.22
3240	1:100 AÑOS	286.55	9.93	14.19	12.4	14.27	0.00029	1.32	274.27	164.05	0.23
3220	1:50 AÑOS	254.85	9.74	14.02	12.8	14.12	0.000472	1.72	210.89	128.15	0.3
3220	1:100 AÑOS	288.18	9.74	14.14	12.92	14.25	0.000504	1.81	226.34	130.1	0.31
3200	1:50 AÑOS	256.29	9.56	13.9	13.11	14.1	0.000904	2.3	165.02	126.89	0.4
3200	1:100 AÑOS	289.81	9.56	14.02	13.4	14.23	0.000935	2.39	180.24	128.7	0.41
3180	1:50 AÑOS	257.73	9.47	13.52	13.52	14.04	0.002772	3.44	100.94	109.47	0.67
3180	1:100 AÑOS	291.44	9.47	13.64	13.64	14.17	0.002757	3.53	114.7	115.07	0.68
3160	1:50 AÑOS	259.17	9.73	13.42	13.42	13.93	0.003274	3.43	98.73	103.71	0.72
3160	1:100 AÑOS	293.07	9.73	13.53	13.53	14.06	0.003271	3.54	110.74	108.9	0.73
3140	1:50 AÑOS	260.62	10.01	13.52	12.46	13.6	0.000622	1.62	276.87	298.32	0.33
3140	1:100 AÑOS	294.71	10.01	13.66	12.63	13.73	0.000554	1.59	319.8	314.79	0.31
3120	1:50 AÑOS	262.06	9.99	13.51	12.68	13.58	0.000529	1.62	289.79	290.11	0.31
3120	1:100 AÑOS	296.34	9.99	13.66	12.74	13.72	0.00047	1.58	331.16	295.58	0.29

3100	1:50 AÑOS	263.5	9.71	13.49	12.54	13.57	0.000508	1.74	274.31	247.86	0.31
3100	1:100 AÑOS	297.97	9.71	13.63	12.57	13.71	0.000468	1.72	309.41	249.03	0.3
3080	1:50 AÑOS	264.94	9.65	13.46	12.39	13.56	0.000684	1.97	246.4	236.25	0.35
3080	1:100 AÑOS	299.6	9.65	13.6	12.92	13.7	0.000611	1.91	281.18	237.2	0.33
3060	1:50 AÑOS	266.39	9.63	13.51	11.19	13.53	0.000119	0.84	494.28	321.16	0.15
3060	1:100 AÑOS	301.23	9.63	13.65	11.27	13.67	0.00012	0.86	539.42	324.57	0.15
2940	1:50 AÑOS	267.83	9.13	13.48	11.64	13.51	0.000204	0.87	407.99	298.04	0.18
2940	1:100 AÑOS	302.86	9.13	13.62	12.08	13.65	0.000198	0.89	450.06	300.83	0.18
2920	1:50 AÑOS	269.27	8.89	13.48	10.45	13.51	0.000088	0.82	443.98	310.31	0.13
2920	1:100 AÑOS	304.49	8.89	13.61	10.57	13.65	0.000093	0.86	487.3	313.27	0.14
2900	1:50 AÑOS	270.71	9.14	13.47	10.75	13.5	0.000128	0.92	406.87	316.39	0.16
2900	1:100 AÑOS	306.12	9.14	13.61	10.88	13.64	0.000131	0.95	451.25	319.49	0.16
2880	1:50 AÑOS	272.16	9.2	13.45	11.35	13.5	0.000214	1.12	368.37	320.22	0.2
2880	1:100 AÑOS	307.75	9.2	13.59	11.69	13.64	0.000207	1.14	414.14	323.54	0.2
2860	1:50 AÑOS	273.6	9.12	13.43	12.77	13.49	0.000472	1.46	325.01	327.84	0.28
2860	1:100 AÑOS	309.39	9.12	13.58	12.85	13.63	0.000408	1.41	373.91	331.16	0.27
2840	1:50 AÑOS	275.04	8.78	13.41	12.91	13.48	0.000475	1.71	324.52	341.39	0.29
2840	1:100 AÑOS	311.02	8.78	13.56	12.93	13.62	0.000401	1.62	377.87	343.02	0.27
2820	1:50 AÑOS	276.48	8.44	13.41	12.76	13.46	0.000408	1.59	353.11	351.08	0.26
2820	1:100 AÑOS	312.65	8.44	13.56	12.94	13.61	0.000347	1.51	407.43	351.39	0.25
2800	1:50 AÑOS	277.93	8.77	13.41	12.59	13.45	0.000254	1.34	416.41	352.79	0.22
2800	1:100 AÑOS	314.28	8.77	13.57	12.74	13.6	0.000227	1.3	469.93	353.09	0.21
2780	1:50 AÑOS	279.37	8.94	13.41	12.47	13.45	0.000225	1.28	412.74	323.06	0.21
2780	1:100 AÑOS	315.91	8.94	13.56	12.6	13.6	0.000208	1.27	461.5	323.1	0.2
2760	1:50 AÑOS	280.81	8.92	13.39	12.73	13.44	0.000317	1.44	368.78	306.5	0.24
2760	1:100 AÑOS	317.54	8.92	13.55	12.79	13.59	0.000287	1.41	415.79	309.14	0.23
2740	1:50 AÑOS	282.25	8.91	13.38	12.76	13.43	0.000487	1.41	324.91	286.03	0.28

2740	1:100 AÑOS	319.17	8.91	13.54	12.83	13.58	0.000427	1.37	369.08	290.64	0.26
2720	1:50 AÑOS	283.7	9.09	13.36	12.78	13.42	0.000534	1.6	309.38	270.49	0.29
2720	1:100 AÑOS	320.8	9.09	13.52	12.86	13.57	0.000469	1.55	351.77	275.34	0.28
2700	1:50 AÑOS	285.14	9.15	13.35	12.79	13.41	0.000517	1.56	312.12	265.24	0.29
2700	1:100 AÑOS	322.43	9.15	13.51	12.84	13.57	0.000456	1.52	353.89	269.77	0.27
2680	1:50 AÑOS	286.58	9.13	13.35	12.73	13.4	0.000448	1.47	328.34	278.25	0.27
2680	1:100 AÑOS	324.07	9.13	13.51	12.76	13.56	0.000399	1.44	372.39	283.72	0.26
2660	1:50 AÑOS	288.02	8.99	13.35	12.63	13.39	0.000373	1.41	353.71	285.59	0.25
2660	1:100 AÑOS	325.7	8.99	13.5	12.7	13.55	0.000334	1.37	398.95	289.04	0.24
2640	1:50 AÑOS	289.47	8.85	13.34	12.55	13.38	0.000316	1.26	379.43	290.68	0.23
2640	1:100 AÑOS	327.33	8.85	13.5	12.6	13.54	0.000286	1.24	425.37	293.51	0.22
2620	1:50 AÑOS	290.91	8.74	13.34	12.47	13.38	0.000301	1.2	380.54	266.3	0.22
2620	1:100 AÑOS	328.96	8.74	13.5	12.52	13.53	0.00028	1.2	422.58	269.78	0.21
2600	1:50 AÑOS	292.35	8.76	13.34	12.33	13.37	0.000229	1.1	409.62	261.85	0.2
2600	1:100 AÑOS	330.59	8.76	13.49	12.38	13.53	0.000219	1.11	450.92	265.2	0.2
2580	1:50 AÑOS	293.79	8.78	13.34	11.87	13.36	0.000106	0.84	540.91	284.54	0.14
2580	1:100 AÑOS	332.22	8.78	13.5	11.93	13.52	0.000105	0.86	585.49	284.85	0.14
2560	1:50 AÑOS	295.23	8.57	13.34	11.7	13.36	0.000092	0.8	568.36	290.82	0.13
2560	1:100 AÑOS	333.85	8.57	13.5	11.76	13.52	0.000093	0.82	613.92	291.14	0.13
2540	1:50 AÑOS	296.68	8.34	13.34	11.64	13.36	0.000076	0.69	611	299.38	0.12
2540	1:100 AÑOS	335.48	8.34	13.5	11.7	13.51	0.000077	0.72	658.44	306.69	0.12
2520	1:50 AÑOS	298.12	8.35	13.34	11.71	13.36	0.000086	0.66	590.5	302.36	0.12
2520	1:100 AÑOS	337.11	8.35	13.5	11.77	13.51	0.000086	0.69	637.86	302.68	0.12
2500	1:50 AÑOS	299.56	8.45	13.34	11.8	13.35	0.000084	0.63	605.1	304.72	0.12
2500	1:100 AÑOS	338.75	8.45	13.5	11.87	13.51	0.000084	0.65	652.83	305.03	0.12
2480	1:50 AÑOS	301	8.34	13.34	11.78	13.35	0.00008	0.67	620.22	306.96	0.11
2480	1:100 AÑOS	340.38	8.34	13.5	11.84	13.51	0.000081	0.69	668.32	307.29	0.11

2460	1:50 AÑOS	302.45	8.16	13.11	12.59	13.33	0.001509	2.26	158.97	102.72	0.49
2460	1:100 AÑOS	342.01	8.16	13.26	12.69	13.48	0.001474	2.33	173.88	103.39	0.49
2440	1:50 AÑOS	303.89	8.27	13.05	12.54	13.29	0.00135	2.8	163.01	107.7	0.47
2440	1:100 AÑOS	343.64	8.27	13.2	12.74	13.45	0.00132	2.85	179.65	108.33	0.47
2420	1:50 AÑOS	305.33	8.42	13.09	12.39	13.25	0.00078	2.27	202.19	114.35	0.37
2420	1:100 AÑOS	345.27	8.42	13.24	12.49	13.41	0.000787	2.34	219.52	114.97	0.37
2400	1:50 AÑOS	309.66	8.35	13.09	12.4	13.23	0.00076	2.17	211.97	120.98	0.36
2400	1:100 AÑOS	350.16	8.35	13.24	12.48	13.39	0.00076	2.23	230.4	121.61	0.37
2320	1:50 AÑOS	311.1	8.21	13.09	11.91	13.17	0.000426	1.39	264.89	131.71	0.26
2320	1:100 AÑOS	351.79	8.21	13.25	12.01	13.33	0.000436	1.46	284.89	132.37	0.27
2300	1:50 AÑOS	312.54	8.2	13.05	12.21	13.15	0.000486	1.82	254.34	142.02	0.3
2300	1:100 AÑOS	353.43	8.2	13.2	12.29	13.31	0.000491	1.88	276.16	143.04	0.3
2280	1:50 AÑOS	313.99	8.08	13.03	12.27	13.14	0.000564	1.89	245.42	141.75	0.32
2280	1:100 AÑOS	355.06	8.08	13.18	12.34	13.3	0.000563	1.94	267.25	142.36	0.32
2260	1:50 AÑOS	315.43	7.95	13.02	12.27	13.13	0.000617	1.82	243.68	142.18	0.32
2260	1:100 AÑOS	356.69	7.95	13.17	12.34	13.29	0.000611	1.87	265.57	142.8	0.32
2240	1:50 AÑOS	316.87	7.98	12.99	12.32	13.11	0.000791	2.05	228.76	142.56	0.36
2240	1:100 AÑOS	358.32	7.98	13.14	12.41	13.27	0.000766	2.08	251.03	143.19	0.36
2220	1:50 AÑOS	318.31	8.12	12.93	12.31	13.09	0.00101	2.27	204.71	137.28	0.41
2220	1:100 AÑOS	359.95	8.12	13.08	12.39	13.25	0.000974	2.3	226.52	139.65	0.4
2200	1:50 AÑOS	319.76	8.06	12.82	12.28	13.06	0.001388	2.63	167.35	105	0.48
2200	1:100 AÑOS	361.58	8.06	12.96	12.38	13.22	0.001397	2.72	182.82	108.17	0.48
2180	1:50 AÑOS	321.2	7.73	12.59	12.37	13.01	0.002193	3.48	134.69	91.78	0.6
2180	1:100 AÑOS	363.21	7.73	12.73	12.49	13.17	0.002187	3.57	148.28	94.53	0.61
2160	1:50 AÑOS	322.64	7.83	12.31	12.31	12.94	0.002965	4.06	113.58	82.95	0.71
2160	1:100 AÑOS	364.84	7.83	12.45	12.43	13.1	0.002979	4.18	125.45	85.5	0.72

2140	1:50 AÑOS	324.08	8.02	12.35	12.13	12.85	0.002012	3.57	126.29	80.92	0.6
2140	1:100 AÑOS	366.47	8.02	12.47	12.26	13.01	0.002129	3.75	136.43	82.77	0.63
2120	1:50 AÑOS	325.53	8.15	12.28	12.12	12.8	0.002624	3.6	119.45	79.57	0.66
2120	1:100 AÑOS	368.1	8.15	12.38	12.25	12.96	0.002869	3.84	126.92	80.79	0.69
2100	1:50 AÑOS	326.97	8.21	12.31	12.14	12.72	0.002708	3.5	133.99	94.38	0.65
2100	1:100 AÑOS	369.74	8.21	12.42	12.23	12.86	0.002786	3.64	144.82	95.68	0.66
2080	1:50 AÑOS	328.41	8	12.26	12.05	12.66	0.002468	3.46	137.08	93.55	0.63
2080	1:100 AÑOS	371.37	8	12.37	12.15	12.8	0.00258	3.62	147.4	94.8	0.64
2060	1:50 AÑOS	329.85	7.88	11.96	11.96	12.58	0.003932	4.19	113.62	88.53	0.79
2060	1:100 AÑOS	373	7.88	12.15	12.08	12.73	0.003486	4.12	130.76	92.82	0.76
2040	1:50 AÑOS	331.3	7.85	11.99	11.86	12.42	0.002618	3.63	140.45	113.7	0.67
2040	1:100 AÑOS	374.63	7.85	12.27	11.98	12.61	0.001914	3.3	174.47	121.02	0.58
2020	1:50 AÑOS	332.74	7.82	12.11	11.66	12.32	0.001195	2.64	194.28	125.94	0.46
2020	1:100 AÑOS	376.26	7.82	12.35	11.75	12.54	0.001006	2.54	224.55	127.63	0.43
2000	1:50 AÑOS	334.18	7.82	12.21	10.68	12.26	0.000274	1.31	351.49	168.4	0.22
2000	1:100 AÑOS	377.89	7.82	12.43	10.78	12.49	0.000256	1.32	389.64	169.98	0.22
1980	1:50 AÑOS	335.62	7.83	12.2	10.45	12.25	0.000225	1.22	362.93	154.86	0.2
1980	1:100 AÑOS	379.52	7.83	12.43	10.58	12.48	0.000218	1.25	397.92	156.29	0.2
1960	1:50 AÑOS	337.07	7.81	12.14	10.69	12.24	0.000494	1.81	259.09	122.79	0.3
1960	1:100 AÑOS	381.15	7.81	12.37	11.07	12.47	0.000466	1.83	286.93	124.69	0.3
1940	1:50 AÑOS	338.51	7.77	12.15	10.36	12.23	0.000355	1.46	279	115.37	0.26
1940	1:100 AÑOS	382.78	7.77	12.37	10.48	12.46	0.00035	1.52	305.14	119.23	0.26
1920	1:50 AÑOS	339.95	7.71	12.13	10.44	12.22	0.000403	1.46	267.17	118.41	0.27
1920	1:100 AÑOS	384.42	7.71	12.35	10.55	12.45	0.000391	1.51	293.93	120.72	0.27
1900	1:50 AÑOS	341.39	7.65	12.15	10.87	12.2	0.00028	1.52	369.05	194.77	0.24
1900	1:100 AÑOS	386.05	7.65	12.37	10.98	12.43	0.000256	1.5	413.95	198.14	0.23
1880	1:50 AÑOS	342.83	7.56	12.14	10.62	12.2	0.00027	1.41	373.54	184.85	0.23

1880	1:100 AÑOS	387.68	7.56	12.37	10.62	12.42	0.000251	1.41	416.11	188.35	0.22
1860	1:50 AÑOS	367.62	7.5	12.12	10.85	12.19	0.000313	1.56	349.98	157.36	0.25
1860	1:100 AÑOS	415.7	7.5	12.35	10.93	12.42	0.000297	1.58	385.83	158.91	0.24
1840	1:50 AÑOS	369.06	7.52	12.11	10.62	12.18	0.000262	1.47	343.99	137.13	0.23
1840	1:100 AÑOS	417.33	7.52	12.34	10.72	12.41	0.000259	1.51	374.91	138.05	0.23
1820	1:50 AÑOS	370.5	7.55	12.07	10.99	12.17	0.000499	1.82	283.79	132.05	0.3
1820	1:100 AÑOS	418.97	7.55	12.3	11.08	12.4	0.000469	1.83	313.81	132.98	0.3
1800	1:50 AÑOS	371.95	7.58	12.03	10.99	12.16	0.000643	1.96	253.28	117.29	0.34
1800	1:100 AÑOS	420.6	7.58	12.26	11.08	12.39	0.000606	1.98	279.89	118.55	0.33
1780	1:50 AÑOS	373.39	7.56	12.03	10.83	12.14	0.000611	1.76	261.47	120.64	0.33
1780	1:100 AÑOS	422.23	7.56	12.25	10.93	12.37	0.000572	1.79	288.87	121.88	0.32
1760	1:50 AÑOS	374.83	7.47	11.96	11.02	12.12	0.000777	2.34	226.84	102.25	0.38
1760	1:100 AÑOS	423.86	7.47	12.19	11.13	12.36	0.000737	2.37	250.13	103.71	0.37
1740	1:50 AÑOS	376.27	7.38	11.96	10.89	12.1	0.000711	2.11	233.86	101.69	0.36
1740	1:100 AÑOS	425.49	7.38	12.18	10.99	12.34	0.000679	2.15	256.9	102.61	0.35
1720	1:50 AÑOS	377.72	7.4	11.96	10.79	12.09	0.00062	1.99	250.18	106.23	0.33
1720	1:100 AÑOS	427.12	7.4	12.18	10.89	12.32	0.000595	2.03	274.35	107.15	0.33
1700	1:50 AÑOS	379.16	7.46	11.98	10.04	12.06	0.000304	1.53	312.5	111.05	0.24
1700	1:100 AÑOS	428.75	7.46	12.2	10.2	12.29	0.000307	1.6	337.73	111.97	0.25
1680	1:50 AÑOS	380.6	7.39	11.97	9.78	12.06	0.000301	1.5	318.54	112.97	0.24
1680	1:100 AÑOS	430.38	7.39	12.2	9.87	12.29	0.000303	1.56	344.21	113.89	0.25
1660	1:50 AÑOS	382.04	7.23	11.88	10.47	12.04	0.000539	2.04	244.26	100.24	0.32
1660	1:100 AÑOS	432.01	7.23	12.11	10.62	12.27	0.000538	2.12	266.98	102.84	0.33
1640	1:50 AÑOS	383.49	7.32	11.71	10.89	12.01	0.00116	2.82	175.35	76.16	0.47
1640	1:100 AÑOS	433.65	7.32	11.93	11.03	12.24	0.001137	2.9	192.04	77.04	0.47
1620	1:50 AÑOS	384.93	7.42	11.66	11	11.98	0.001291	2.93	170.71	79.07	0.5
1620	1:100 AÑOS	435.28	7.42	11.88	11.13	12.22	0.001237	2.99	188.63	79.98	0.49

1600	1:50 AÑOS	386.37	7.48	11.64	11.02	11.96	0.001352	2.93	172.79	82.88	0.51
1600	1:100 AÑOS	436.91	7.48	11.87	11.14	12.19	0.001271	2.96	191.92	83.8	0.5
1580	1:50 AÑOS	387.81	7.39	11.54	11.01	11.92	0.001612	3.22	159.8	76.15	0.55
1580	1:100 AÑOS	438.54	7.39	11.78	11.14	12.16	0.001519	3.26	177.44	77.08	0.54
1560	1:50 AÑOS	389.26	7.19	11.54	10.95	11.88	0.001416	3.19	169.57	78.71	0.52
1560	1:100 AÑOS	440.17	7.19	11.77	11.08	12.12	0.00134	3.23	187.98	79.65	0.51
1540	1:50 AÑOS	390.7	7.03	11.56	10.8	11.84	0.00103	2.87	190.93	83.9	0.45
1540	1:100 AÑOS	441.8	7.03	11.79	10.93	12.08	0.000992	2.92	210.51	84.86	0.45
1520	1:50 AÑOS	392.14	6.95	11.7	9.41	11.76	0.000173	1.19	400.69	140.13	0.19
1520	1:100 AÑOS	443.43	6.95	11.94	9.59	12	0.000175	1.24	433.54	141.18	0.19
1480	1:50 AÑOS	393.58	6.95	11.69	9.33	11.75	0.000171	1.24	396.98	136.4	0.19
1480	1:100 AÑOS	445.06	6.95	11.93	9.52	11.99	0.000175	1.3	428.92	137.45	0.19
1460	1:50 AÑOS	395.02	6.94	11.66	10.07	11.75	0.000376	1.46	321.59	129.44	0.26
1460	1:100 AÑOS	446.69	6.94	11.9	10.2	11.98	0.000363	1.5	351.87	130.42	0.26
1440	1:50 AÑOS	396.47	6.97	11.66	9.76	11.74	0.000311	1.31	338.61	125.57	0.23
1440	1:100 AÑOS	448.33	6.97	11.9	9.91	11.98	0.000307	1.37	367.95	126.56	0.24
1420	1:50 AÑOS	397.91	6.89	11.63	10.18	11.73	0.000442	1.59	302.95	121.68	0.28
1420	1:100 AÑOS	449.96	6.89	11.87	10.28	11.97	0.000427	1.64	331.42	122.68	0.27
1400	1:50 AÑOS	399.35	6.73	11.63	9.75	11.72	0.000289	1.48	334.31	120.6	0.24
1400	1:100 AÑOS	451.59	6.73	11.87	9.95	11.96	0.00029	1.53	362.47	121.55	0.24
1380	1:50 AÑOS	400.79	6.73	11.6	10.39	11.71	0.000445	1.88	300.09	125.2	0.3
1380	1:100 AÑOS	453.22	6.73	11.84	10.47	11.95	0.000427	1.91	329.67	126.16	0.29
1360	1:50 AÑOS	402.24	6.79	11.59	10.4	11.7	0.000443	1.84	304.94	128.49	0.29
1360	1:100 AÑOS	454.85	6.79	11.83	10.49	11.94	0.000423	1.86	335.39	129.44	0.29
1340	1:50 AÑOS	403.68	6.71	11.57	10.43	11.69	0.000485	1.93	296.9	129.59	0.3
1340	1:100 AÑOS	456.48	6.71	11.81	10.56	11.93	0.000459	1.95	327.84	130.54	0.3

1320	1:50 AÑOS	405.12	6.68	11.58	10.32	11.67	0.000443	1.78	309.37	129.15	0.29
1320	1:100 AÑOS	458.11	6.68	11.81	10.41	11.92	0.000422	1.81	340.13	130.1	0.29
1300	1:50 AÑOS	406.56	6.67	11.57	10.22	11.66	0.000404	1.72	320.46	128.74	0.28
1300	1:100 AÑOS	459.74	6.67	11.81	10.29	11.91	0.000388	1.75	351.08	129.69	0.27
1280	1:50 AÑOS	408.01	6.67	11.57	10.08	11.65	0.00036	1.52	330.53	128.63	0.26
1280	1:100 AÑOS	461.37	6.67	11.81	10.17	11.9	0.000349	1.56	361.09	129.58	0.26
1260	1:50 AÑOS	409.45	6.68	11.57	9.92	11.64	0.000295	1.48	353.01	128.82	0.24
1260	1:100 AÑOS	463.01	6.68	11.81	10	11.89	0.000291	1.53	383.62	129.77	0.24
1240	1:50 AÑOS	410.89	6.61	11.56	9.85	11.64	0.000302	1.59	339.51	116.43	0.24
1240	1:100 AÑOS	464.64	6.61	11.79	9.94	11.88	0.000303	1.65	366.96	116.94	0.25
1220	1:50 AÑOS	412.33	6.58	11.5	9.99	11.63	0.000504	1.91	271.56	99.7	0.31
1220	1:100 AÑOS	466.27	6.58	11.73	10.11	11.87	0.000503	1.99	294.83	101.15	0.32
1215	1:50 AÑOS	413.78	6.63	11.5	10.1	11.62	0.000488	1.95	292.81	121.12	0.31
1215	1:100 AÑOS	467.9	6.63	11.73	10.22	11.86	0.00047	1.99	321.46	122.24	0.31
1210.*	1:50 AÑOS	415.22	6.63	11.49	10.1	11.61	0.000495	1.96	291.25	120.05	0.31
1210.*	1:100 AÑOS	469.53	6.63	11.73	10.23	11.85	0.000477	2	319.65	121.19	0.31
1205	1:50 AÑOS	416.66	6.63	11.48	10.11	11.61	0.000501	1.97	289.56	118.88	0.31
1205	1:100 AÑOS	471.16	6.63	11.72	10.23	11.85	0.000484	2.01	317.67	120.01	0.31
1203		Bridge									
1190.*	1:50 AÑOS	418.1	6.7	11.33	9.95	11.48	0.000518	2	270.21	107.92	0.32
1190.*	1:100 AÑOS	472.79	6.7	11.55	10.07	11.71	0.000522	2.08	293.8	110.37	0.33
1185	1:50 AÑOS	419.55	6.7	11.4	9.53	11.44	0.000156	1.11	501.37	191.28	0.18
1185	1:100 AÑOS	474.42	6.7	11.63	9.62	11.67	0.000156	1.15	544.08	194.17	0.18
1180	1:50 AÑOS	420.99	6.7	11.41	9.32	11.44	0.000126	1.03	526.6	183.7	0.16
1180	1:100 AÑOS	476.05	6.7	11.63	9.42	11.67	0.000128	1.08	567.39	184.84	0.16
1160	1:50 AÑOS	422.43	6.54	11.4	9.46	11.44	0.000153	0.95	527.45	199.23	0.17
1160	1:100 AÑOS	477.69	6.54	11.63	9.51	11.66	0.000151	0.99	571.74	200.19	0.17

1140	1:50 AÑOS	423.87	6.62	11.4	9.43	11.44	0.000157	1.02	512.81	185.65	0.17
1140	1:100 AÑOS	479.32	6.62	11.62	9.52	11.66	0.000157	1.06	554.01	186.6	0.17
1120	1:50 AÑOS	425.32	6.77	11.38	9.75	11.43	0.000234	1.25	448.46	177.62	0.21
1120	1:100 AÑOS	480.95	6.77	11.6	9.82	11.66	0.000229	1.28	487.83	178.51	0.21
1100	1:50 AÑOS	426.76	6.76	11.37	9.86	11.43	0.000252	1.39	432.25	176.18	0.22
1100	1:100 AÑOS	482.58	6.76	11.59	9.95	11.65	0.000245	1.42	471.34	177.08	0.22
1080	1:50 AÑOS	428.2	6.73	11.37	9.46	11.42	0.000227	1.24	444.46	173.18	0.21
1080	1:100 AÑOS	484.21	6.73	11.59	9.69	11.64	0.000224	1.28	482.92	174.69	0.21
1060	1:50 AÑOS	429.64	6.73	11.37	9.16	11.41	0.000164	1.04	498.61	178.93	0.17
1060	1:100 AÑOS	485.84	6.73	11.59	9.26	11.64	0.000164	1.09	538.37	180.51	0.18
1040	1:50 AÑOS	429.64	6.76	11.39	8.74	11.4	0.000046	0.55	886.62	282.52	0.09
1040	1:100 AÑOS	485.84	6.76	11.61	8.81	11.63	0.000047	0.57	949.64	282.97	0.09
1020	1:50 AÑOS	431.09	6.75	11.39	8.94	11.4	0.000064	0.65	808.12	283.68	0.11
1020	1:100 AÑOS	487.47	6.75	11.61	9	11.63	0.000063	0.68	871.37	284.13	0.11
1000	1:50 AÑOS	431.09	6.73	11.37	9.16	11.4	0.000116	0.89	595.76	213.35	0.15
1000	1:100 AÑOS	487.47	6.73	11.59	9.23	11.62	0.000118	0.94	643.41	217.25	0.15
980	1:50 AÑOS	432.53	6.72	11.37	8.91	11.4	0.000116	0.9	590.74	207.27	0.15
980	1:100 AÑOS	489.1	6.72	11.59	9.12	11.62	0.000118	0.94	636.92	210.1	0.15
960	1:50 AÑOS	432.53	6.74	11.36	8.84	11.39	0.000133	0.95	558.28	198.8	0.16
960	1:100 AÑOS	489.1	6.74	11.58	8.98	11.62	0.000135	0.99	602.58	202.23	0.16
940	1:50 AÑOS	432.53	6.75	11.35	9.1	11.39	0.000175	1.07	506.74	192.52	0.18
940	1:100 AÑOS	489.1	6.75	11.57	9.31	11.61	0.000177	1.11	549.84	197.64	0.18
920	1:50 AÑOS	433.97	6.73	11.35	9.24	11.39	0.000177	1.08	515.86	201.55	0.18
920	1:100 AÑOS	490.73	6.73	11.57	9.4	11.61	0.000175	1.12	560.66	203.98	0.18
900	1:50 AÑOS	435.41	6.71	11.35	9.36	11.38	0.000132	0.95	656.17	295.35	0.16
900	1:100 AÑOS	492.37	6.71	11.58	9.42	11.6	0.000126	0.96	722.3	299.68	0.15

880	1:50 AÑOS	436.86	6.7	11.35	9.67	11.37	0.00016	0.96	614.75	287.44	0.17
880	1:100 AÑOS	494	6.7	11.57	9.74	11.6	0.000149	0.97	679	289.88	0.17
860	1:50 AÑOS	438.3	6.68	11.34	9.56	11.37	0.000165	1.07	593.77	269.64	0.18
860	1:100 AÑOS	495.63	6.68	11.56	9.65	11.6	0.000155	1.07	653.9	270.83	0.17
840	1:50 AÑOS	439.74	6.29	11.33	9.67	11.37	0.000151	1.05	567.78	238.02	0.17
840	1:100 AÑOS	497.26	6.29	11.55	9.74	11.59	0.000147	1.08	620.83	239.92	0.17
820	1:50 AÑOS	441.18	6.69	11.32	9.66	11.36	0.000234	1.22	495.8	220.82	0.2
820	1:100 AÑOS	498.89	6.69	11.54	9.73	11.59	0.000222	1.23	545.01	222.17	0.2
800	1:50 AÑOS	442.62	6.67	11.31	9.75	11.36	0.00024	1.29	485.96	214.23	0.21
800	1:100 AÑOS	500.52	6.67	11.53	9.82	11.58	0.000231	1.31	533.93	218.19	0.21
780	1:50 AÑOS	444.07	6.65	11.32	9.7	11.35	0.000131	0.95	684.53	315.26	0.16
780	1:100 AÑOS	502.15	6.65	11.55	9.76	11.57	0.000122	0.96	754.91	315.7	0.15
760	1:50 AÑOS	445.51	6.58	11.33	8.93	11.34	0.000054	0.61	893.56	303.45	0.1
760	1:100 AÑOS	503.78	6.58	11.55	8.96	11.57	0.000054	0.63	961.21	303.9	0.1
740	1:50 AÑOS	446.95	6.51	11.33	7.55	11.34	0.00002	0.37	1228.87	318.15	0.06
740	1:100 AÑOS	505.41	6.51	11.56	7.63	11.56	0.000021	0.4	1299.87	318.59	0.06
720	1:50 AÑOS	448.39	6.43	11.33	7.7	11.34	0.00002	0.37	1230.69	323.85	0.06
720	1:100 AÑOS	507.05	6.43	11.56	7.78	11.56	0.000021	0.4	1302.96	324.3	0.06
700	1:50 AÑOS	449.84	6.37	11.33	7.33	11.34	0.00003	0.46	1008.27	272.06	0.07
700	1:100 AÑOS	508.68	6.37	11.55	7.42	11.56	0.000032	0.5	1069.56	277.63	0.08
680	1:50 AÑOS	451.28	6.42	11.33	7.65	11.34	0.000034	0.5	937.59	247.46	0.08
680	1:100 AÑOS	510.31	6.42	11.55	7.75	11.56	0.000037	0.54	993.12	252.54	0.08
660	1:50 AÑOS	452.72	6.47	11.31	8.31	11.34	0.000109	0.87	684.29	267.96	0.14
660	1:100 AÑOS	511.94	6.47	11.54	8.6	11.56	0.000109	0.91	744.44	274.22	0.14
640	1:50 AÑOS	454.16	6.48	11.27	9.07	11.33	0.000254	1.36	461.49	194.47	0.22
640	1:100 AÑOS	513.57	6.48	11.49	9.22	11.55	0.000254	1.41	505.09	202.03	0.22
620	1:50 AÑOS	455.61	6.47	11.2	10.02	11.32	0.000496	1.91	346.77	171.47	0.31

620	1:100 AÑOS	515.2	6.47	11.43	10.16	11.54	0.00047	1.93	385.36	175.56	0.31
600	1:50 AÑOS	457.05	6.4	11.13	10.07	11.3	0.000835	2.24	264.71	114.55	0.38
600	1:100 AÑOS	516.83	6.4	11.35	10.19	11.52	0.00081	2.3	289.37	115.78	0.38
580	1:50 AÑOS	458.49	6.3	11.06	10.08	11.28	0.001044	2.54	233.46	99.37	0.43
580	1:100 AÑOS	518.46	6.3	11.27	10.21	11.5	0.001027	2.62	254.4	100.65	0.43
560	1:50 AÑOS	459.93	6.21	10.95	10.16	11.25	0.001361	2.97	210.2	98.45	0.49
560	1:100 AÑOS	520.09	6.21	11.17	10.3	11.47	0.001326	3.04	231.41	101.43	0.49
540	1:50 AÑOS	461.38	6.28	10.29	10.29	11.15	0.004249	4.9	129.09	83.54	0.86
540	1:100 AÑOS	521.73	6.28	10.59	10.59	11.38	0.003594	4.78	156.01	92.21	0.81
520	1:50 AÑOS	462.82	6.26	10.17	10.17	10.96	0.004278	4.73	133.36	77.88	0.87
520	1:100 AÑOS	523.36	6.26	10.26	10.26	11.16	0.004736	5.08	140.38	78.83	0.92
500	1:50 AÑOS	464.26	6.04	9.97	9.86	10.47	0.003529	4.04	171.15	124.98	0.77
500	1:100 AÑOS	524.99	6.04	10.11	9.99	10.62	0.003446	4.12	188.14	126.83	0.76
480	1:50 AÑOS	465.7	5.82	9.94	9.78	10.39	0.003342	3.85	178.99	129.39	0.73
480	1:100 AÑOS	526.62	5.82	10.08	9.9	10.54	0.003259	3.92	196.71	131.67	0.73
460	1:50 AÑOS	467.15	6.07	10.05	9.46	10.28	0.001601	2.71	234.11	135.5	0.51
460	1:100 AÑOS	528.25	6.07	10.18	9.53	10.43	0.001646	2.83	251.88	137.31	0.52
440	1:50 AÑOS	468.59	6.39	9.98	9.44	10.24	0.001776	2.89	223.8	132	0.55
440	1:100 AÑOS	529.88	6.39	10.11	9.56	10.39	0.001831	3.03	240.56	133.6	0.56
420	1:50 AÑOS	470.03	6.48	9.71	9.56	10.17	0.003852	3.9	169.08	118.03	0.79
420	1:100 AÑOS	531.51	6.48	9.8	9.65	10.32	0.004059	4.1	180.36	119.06	0.82
400	1:50 AÑOS	471.47	6.46	9.77	9.39	10.06	0.002381	3.12	208.27	134.17	0.63
400	1:100 AÑOS	533.14	6.46	9.87	9.48	10.2	0.00248	3.27	222.49	134.96	0.64
380	1:50 AÑOS	472.92	6.45	9.45	9.45	9.97	0.005276	4.29	163.54	137.86	0.92
380	1:100 AÑOS	534.77	6.45	9.54	9.54	10.1	0.005385	4.45	176.31	139.14	0.93
360	1:50 AÑOS	474.36	6.44	9.1	8.97	9.49	0.004827	3.5	183.28	170.57	0.84
360	1:100 AÑOS	536.4	6.44	9.19	9.08	9.61	0.004871	3.63	198.12	171.91	0.85

340	1:50 AÑOS	475.8	6.44	9.1	8.83	9.38	0.00337	2.81	209.32	175.89	0.69
340	1:100 AÑOS	538.04	6.44	9.18	8.9	9.5	0.003466	2.95	224.58	177.41	0.7
320	1:50 AÑOS	477.24	6.44	9.1	8.63	9.3	0.002225	2.27	245.75	191.39	0.56
320	1:100 AÑOS	539.67	6.44	9.19	8.71	9.42	0.002308	2.39	262.89	192.18	0.57
300	1:50 AÑOS	478.69	6.36	9.04	8.61	9.26	0.002289	2.41	241.67	188.83	0.58
300	1:100 AÑOS	541.3	6.36	9.13	8.71	9.37	0.002412	2.56	257.56	191.73	0.6
280	1:50 AÑOS	480.13	6.26	9.14	7.84	9.19	0.000412	1.17	484.54	280.34	0.26
280	1:100 AÑOS	542.93	6.26	9.24	7.93	9.3	0.000444	1.25	511.52	281.3	0.27
260	1:50 AÑOS	481.57	6.26	9.08	8.26	9.18	0.000934	1.48	360.33	240.19	0.36
260	1:100 AÑOS	544.56	6.26	9.17	8.34	9.28	0.000989	1.58	381.87	240.82	0.38
240	1:50 AÑOS	483.01	6.36	8.98	8.54	9.14	0.001979	2.18	281.26	242.93	0.54
240	1:100 AÑOS	546.19	6.36	9.06	8.6	9.24	0.002043	2.29	301.52	244.46	0.55
220	1:50 AÑOS	484.46	6.49	8.99	8.37	9.09	0.00137	1.8	343.19	285.15	0.45
220	1:100 AÑOS	547.82	6.49	9.07	8.45	9.19	0.001418	1.89	367.84	289.55	0.46
160	1:50 AÑOS	485.9	6.62	8.94	8.37	9.04	0.001039	1.77	362.24	282.27	0.4
160	1:100 AÑOS	549.45	6.62	9.02	8.43	9.14	0.001104	1.87	385.94	287.19	0.42
140	1:50 AÑOS	487.34	6.85	8.68	8.57	8.95	0.005231	3.07	221.24	260.44	0.85
140	1:100 AÑOS	551.08	6.85	8.75	8.63	9.04	0.005237	3.18	238.78	261.5	0.86
120	1:50 AÑOS	488.78	6.91	8.52	8.47	8.83	0.006423	3.25	205.91	254.62	0.94
120	1:100 AÑOS	552.72	6.91	8.61	8.53	8.92	0.005868	3.25	228.69	255.96	0.91
100	1:50 AÑOS	490.22	6.77	8.58	8.17	8.7	0.001999	1.81	316.8	304.51	0.52
100	1:100 AÑOS	554.35	6.77	8.67	8.24	8.81	0.001941	1.88	344.69	305.54	0.52
80	1:50 AÑOS	491.67	6.68	8.54	8.14	8.66	0.002094	1.73	314.24	306.88	0.53
80	1:100 AÑOS	555.98	6.68	8.63	8.19	8.77	0.002022	1.79	342.99	309.42	0.53
60	1:50 AÑOS	493.11	6.65	8.52	8.01	8.62	0.001605	1.7	342.39	308.6	0.47
60	1:100 AÑOS	557.61	6.65	8.61	8.07	8.73	0.001579	1.76	371.62	311	0.47

40	1:50 AÑOS	494.55	6.41	8.49	7.84	8.59	0.001334	1.68	357.97	297.7	0.43
40	1:100 AÑOS	559.24	6.41	8.59	7.9	8.7	0.001338	1.75	386.08	299.54	0.44
20	1:50 AÑOS	495.99	6.01	8.47	7.77	8.57	0.001173	1.91	362.5	283.45	0.43
20	1:100 AÑOS	560.87	6.01	8.56	7.84	8.67	0.001206	2	388.99	286.02	0.44
0	1:50 AÑOS	497.44	5.67	8.42	7.91	8.54	0.0014	2.25	348.69	298.77	0.48
0	1:100 AÑOS	562.5	5.67	8.52	8	8.64	0.001402	2.31	376.87	300.41	0.49

4.2.2 Gráficas

4.2.2.1 Variación de Velocidad Bancos Laterales

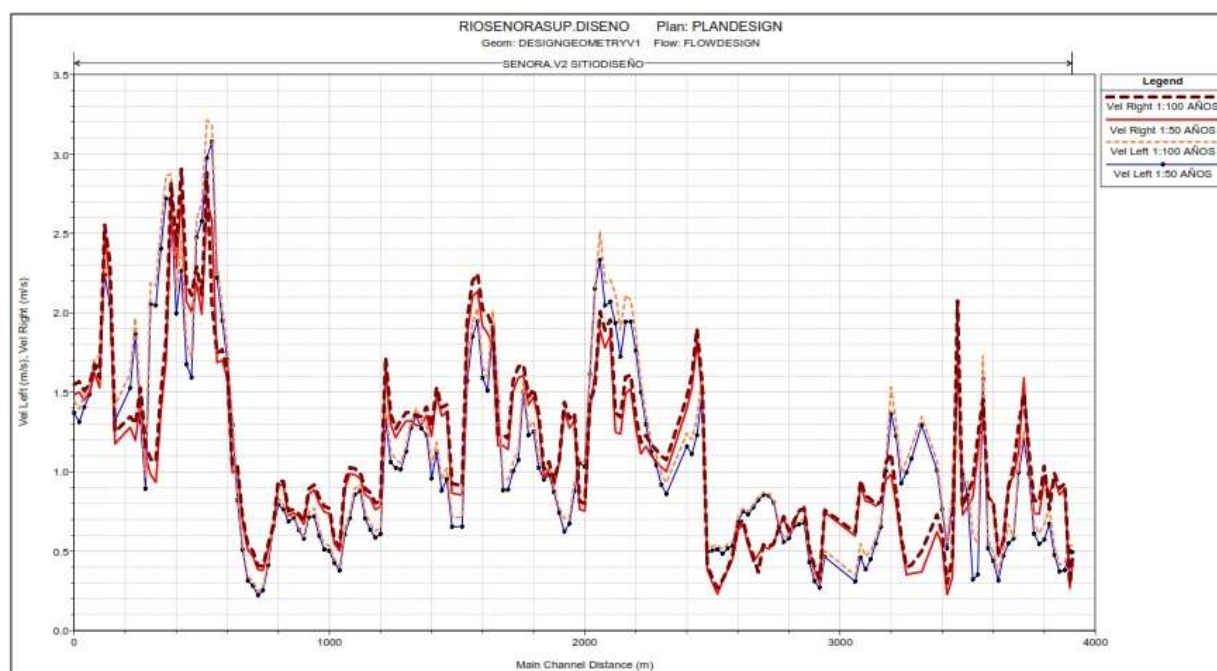


Ilustración 10. Variación de Velocidad Bancos Laterales Condición de Diseño.

4.2.2.2 Planicie de Inundación

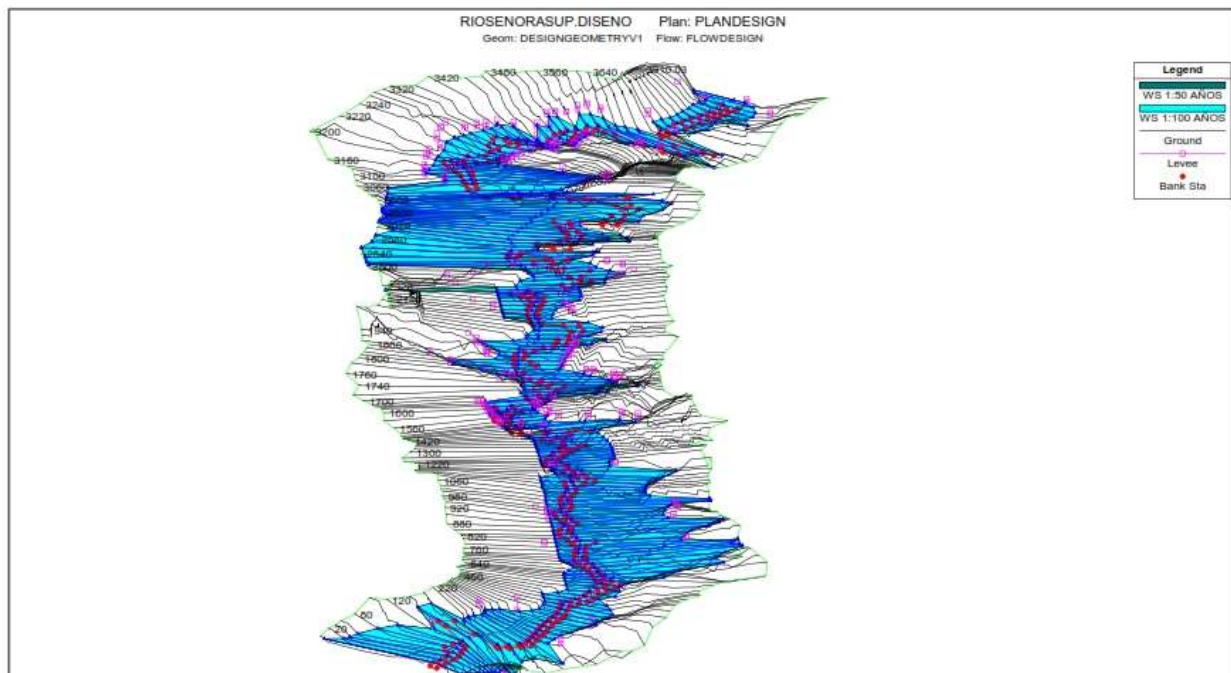


Ilustración 11. Planicie de Inundación Condición de Diseño.

4.2.2.3 Variación de Velocidad Cauce

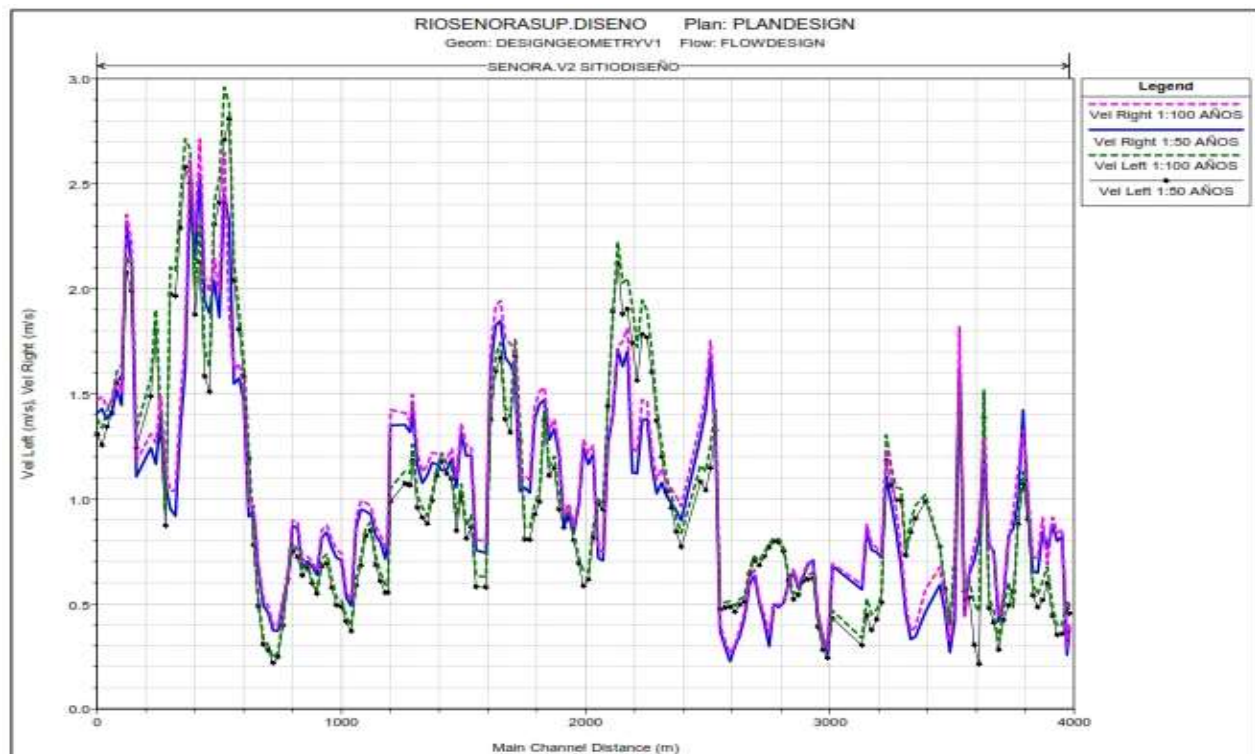


Ilustración 12. Variación de Velocidad Canal

4.2.2.4 Variación Número de Froude

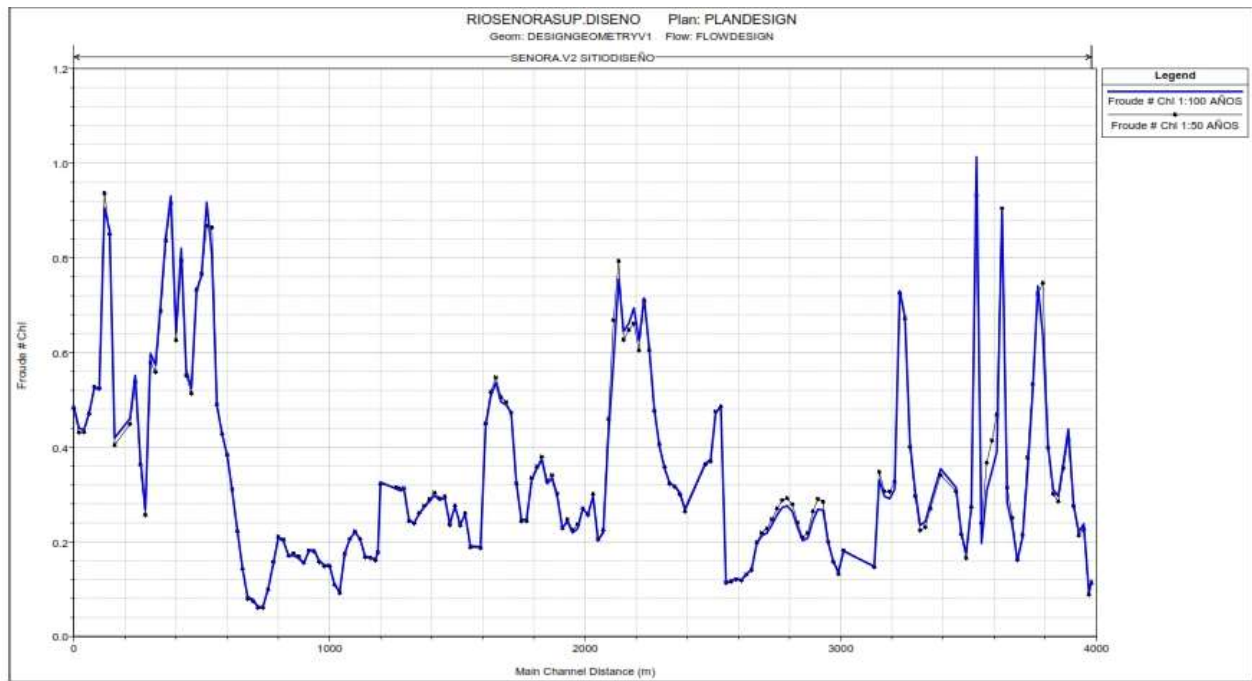


Ilustración 13. Número de Froude Condición de Diseño

4.2.2.5 Variación Área de Flujo

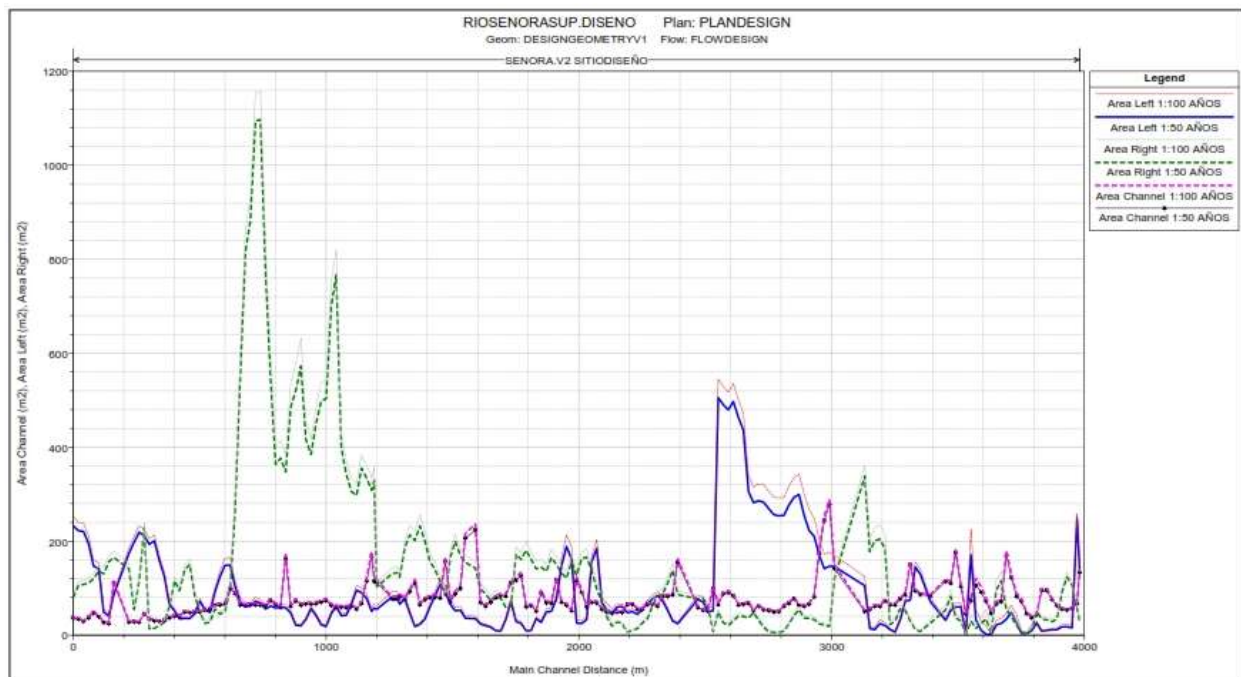


Ilustración 14. Área de Flujo Condición de Diseño

4.2.2.6 Variación de Caudales

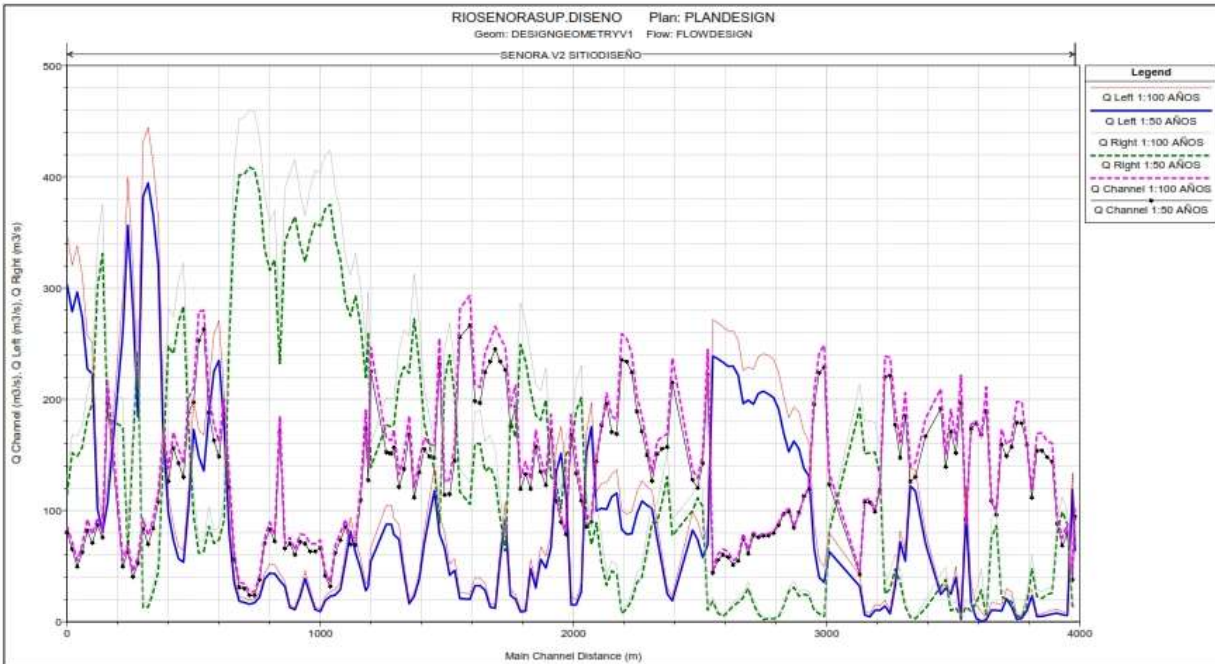


Ilustración 15. Variación de Caudales Condición de Diseño

4.2.2.7 Perfil de Agua y Línea de Energía

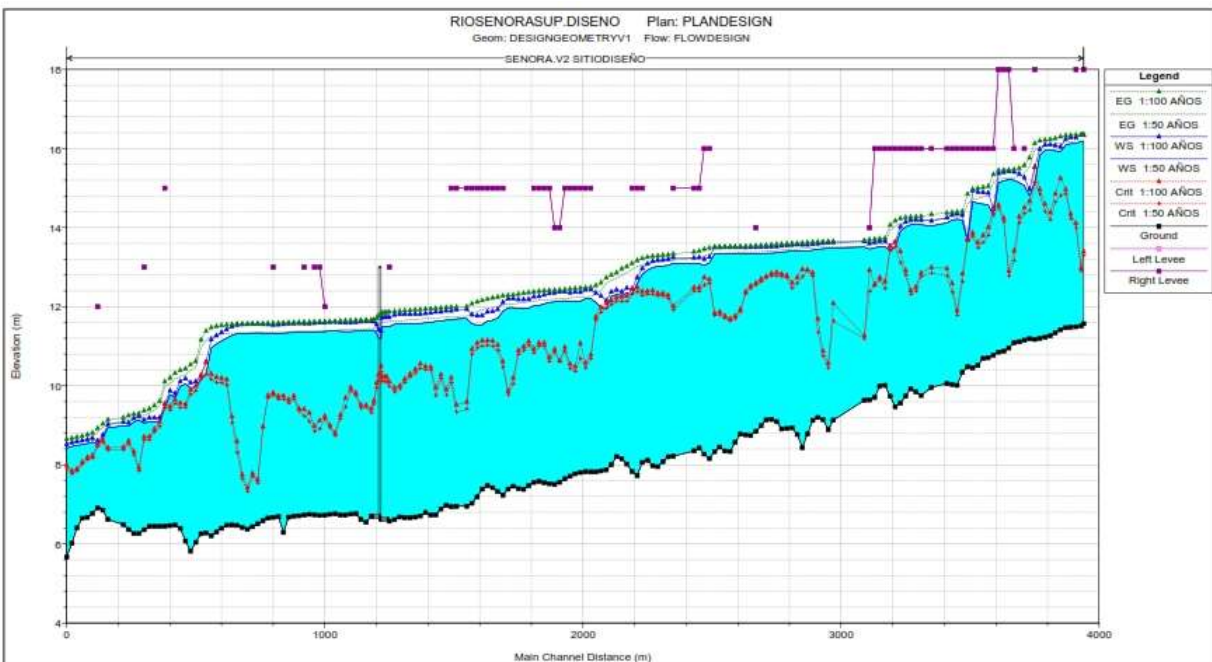


Ilustración 16. Perfil de Flujo y Línea de Energía LE Condición de Diseño

4.3 Análisis Hidráulico de Puente sobre Sección 1k+230

4.3.1 Secciones de Puente

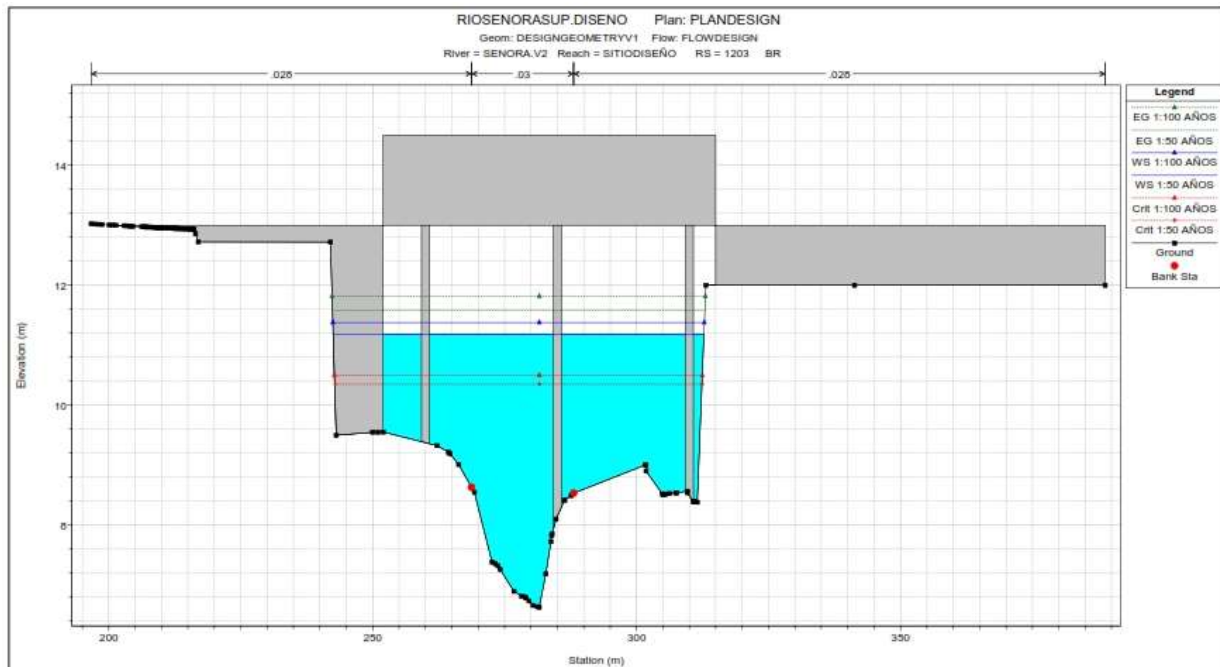


Ilustración 17. Sección Aguas Arriba Puente

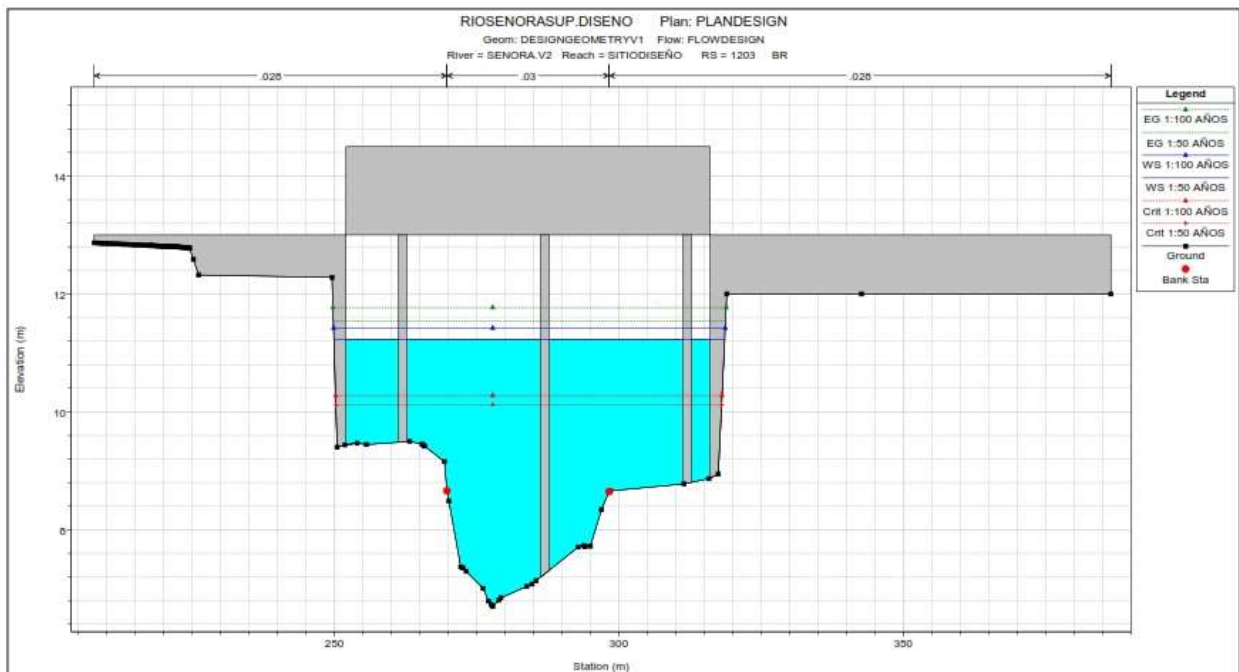


Ilustración 18. Sección Aguas Abajo Puente

De acuerdo al diseño urbano del proyecto es necesario la construcción de un puente que atraviesa al cauce del río Señora. La sección transversal propuesta dentro del

alineamiento es la sección 1k+230.

El puente propuesto tiene las siguientes propiedades:

- 2 filas de pilas circulares.
- Superestructura de referencia para diseño (nivel inferior de viga principal).
- Estribos con muros verticales.
- No implica modificaciones a la geometría del canal natural, con excepción de los carriles de acceso (zonas de relleno).

4.3.2 Variables Geométricas e Hidráulicas

En la ilustración 19 se muestra el diámetro propuesto para la simulación hidráulica realizada. En la ilustración 20 se muestra el claro entre pilas y la elevación del nivel inferior de vigas principales tomado como referencia para la verificación del NAME en la sección de control.

Upstream		Downstream	
Pier Width	Elevation	Pier Width	Elevation
1.5	6.632	1.5	6.632
1.5	14.5	1.5	14.5

Ilustración 19. Propiedades Pilas de Puente

Deck/Roadway	
El of High Chord (Top of Road)	13
El of Low Chord	14.5
☒ Add Vertical Walls in Deck	
Opening Width (Blank for Chan)	64
☐ Add Sloping Abutments	
Side Slope	H : 1 V

Ilustración 20. Propiedades de Superestructura

Number of Piers	3
Upstream XS Starting Station	260
Downstream XS Starting Station	262
Pier Centerline Spacing	25
Pier Width	1.5

Ilustración 21. Ubicación de Pilas de Subestructura

En la ilustración 21 se muestran las estaciones dentro de la sección transversal donde

se propone la ubicación de las pilas.

4.3.3 Resultados de Simulación Hidráulica Puente Sección 1k+230

Tabla 10. Elementos Hidráulicos Puente 1:50 años

Plan: PLAN SENORA.V2		SITIODISEÑO RS: 1203	Profile: 1:50 AÑOS	
E.G. US. (m)	11.61	Element	Inside BR US	Inside BR DS
W.S. US. (m)	11.48	E.G. Elev (m)	11.58	11.53
Q Total (m3/s)	416.66	W.S. Elev (m)	11.18	11.22
Q Bridge (m3/s)	416.66	Crit W.S. (m)	10.35	10.12
Q Weir (m3/s)		Max Chl Dpth (m)	4.55	4.53
Weir Sta Lft (m)		Vel Total (m/s)	2.74	2.41
Weir Sta Rgt (m)		Flow Area (m2)	151.88	172.99
Weir Submerg		Froude # Chl	0.5	0.37
Weir Max Depth (m)		Specif Force (m3)	344.02	381.63
Min El Weir Flow (m)	13	Hydr Depth (m)	2.7	2.91
Min El Prs (m)	13	W.P. Total (m)	73.92	76.53
Delta EG (m)	0.13	Conv. Total (m3/s)	8968.6	10629.6
Delta WS (m)	0.15	Top Width (m)	56.26	59.5
BR Open Area (m2)	256.57	Frctn Loss (m)	0.02	0.01
BR Open Vel (m/s)	2.74	C & E Loss (m)	0.03	0.05
Coef of Q		Shear Total (N/m2)	43.49	34.06
Br Sel Method	Energy only	Power Total (N/m s)	9416.38	9949.31

Tabla 11.Elementos Hidráulicos Puente 1:100 años

Plan: PLAN SENORA.V2		SITIODISEÑO RS: 1203	Profile: 1:100 AÑOS	
E.G. US. (m)	11.85	Element	Inside BR US	Inside BR DS
W.S. US. (m)	11.72	E.G. Elev (m)	11.82	11.77
Q Total (m3/s)	471.16	W.S. Elev (m)	11.38	11.42
Q Bridge (m3/s)	471.16	Crit W.S. (m)	10.5	10.28
Q Weir (m3/s)		Max Chl Dpth (m)	4.74	4.73
Weir Sta Lft (m)		Vel Total (m/s)	2.89	2.55
Weir Sta Rgt (m)		Flow Area (m2)	162.88	184.85
Weir Submerg		Froude # Chl	0.51	0.38
Weir Max Depth (m)		Specif Force (m3)	397.18	437.49

Min El Weir Flow (m)	13	Hydr Depth (m)	2.89	3.11
Min El Prs (m)	13	W.P. Total (m)	75.31	77.73
Delta EG (m)	0.14	Conv. Total (m3/s)	9944.4	11711.6
Delta WS (m)	0.17	Top Width (m)	56.35	59.5
BR Open Area (m2)	256.57	Frctn Loss (m)	0.02	0.01
BR Open Vel (m/s)	2.89	C & E Loss (m)	0.03	0.06
Coef of Q		Shear Total (N/m2)	47.62	37.74
Br Sel Method	Energy only	Power Total (N/m s)	9416.38	9949.31

Tabla 12. Resultados Diseño Hidráulico

Hydraulic Design Data		
Input Data		
Pier Shape:	Round nose	
Pier Width (m):	1.5	
Depth Upstream (m):	4	
Velocity Upstream (m/s):	1.97	
K1 Nose Shape:	1	
Pier Length (m):	10	
K3 Bed Cond Coef:	1.1	
K4 Armouring Coef:	1	
Set K1 value to 1.0 because angle > 5 degrees		
Station at Toe (m):	250	315
Toe Sta at appr (m):	250	315
Abutment Length (m):	46.73	54
Depth at Toe (m):	1.94	-0.52
K1 Shape Coef:	1.00 - Vertical abutment	
Degree of Skew (degrees):	90	90
K2 Skew Coef:	1	1
Projected Length L' (m):	46.73	54
Avg Depth Obstructed Ya (m):	1.75	2.44
Flow Obstructed Qe (m3/s):	87.54	176.01
Area Obstructed Ae (m2):	81.9	132
Results		
Scour Depth Ys (m):	8.89	
Qe/Ae = Ve:	1.07	
Froude #:	0.26	
Equation:	Froehlich	Default

4.3.4 ANALISIS DE RESULTADOS PARA CONDICIONES DE DISEÑO

Basados en los resultados obtenidos en los análisis previamente presentados para el curso de agua del río Señora, se ha determinado que las modificaciones propuestas a la terracería adyacente al cauce natural existente generan la capacidad hidráulica esperada para mantener contenido el caudal generado por una lluvia extraordinaria con tiempo de recurrencia de 1 en 50 años dentro de una zona donde no se presenten afectaciones al proyecto.

La propuesta que cumple con capacidad hidráulica no implica ninguna modificación al alineamiento del cauce, ni modificación a la composición de su perímetro mojado. De igual manera la propuesta tampoco afecta los bosques de galería adyacentes al cauce.

5. CONCLUSIONES Y RECOMENDACIONES

Las secciones naturales existentes pierden la capacidad en algunos tramos del recorrido de su cauce, provocando problemas de desbordamiento debido a que existen meandros y zonas de planicies propias de la topografía del terreno.

Se propone realizar los cambios en la terracería del proyecto, sin afectar los bosques adyacentes al cauce y bajo los criterios de ejecución que exige la normativa ambiental. Es recomendable mantener un programa de limpieza en todos los cauces en los meses de verano para evitar obstrucciones de los flujos y minimizar los riesgos de inundación. Verificar en los sectores donde las velocidades son mayores a las recomendadas en el estudio y protegerlas para evitar las erosiones.

Siempre se debe tener consideración las elevaciones del agua alcanzadas por las distintas quebradas y río para el desarrollo de la terracería y la descarga pluvial del proyecto.

ANEXOS

A.1 RESULTADOS INDIVIDUALES DE SIMULACION HIDRAULICA CONDICION DE DISEÑO

Plan: PLAN SENORA.V2 SITIO:DISEÑO RS: 40 Profile: 1:50 AÑOS

E.G. Elev (m)	6.59	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	6.49	Reach Len. (m)	19.60	20.00	19.52
Crit W.S. (m)	7.64	Flow Area (m2)	220.76	29.56	107.65
E.G. Slope (m/m)	0.001334	Area (m2)	220.76	29.56	107.65
Q Total (m3/s)	494.55	Flow (m3/s)	296.50	49.63	148.42
Top Width (m)	297.70	Top Width (m)	169.79	19.21	66.70
Vel Total (m/s)	1.36	Avg. Vel. (m/s)	1.34	1.66	1.36
Max Chl Dpth (m)	2.49	Hydr. Depth (m)	1.16	1.54	1.21
Conv. Total (m3/s)	13539.2	Conv. (m3/s)	8117.2	1356.6	4063.2
Length Wtd. (m)	19.62	Wetted Per. (m)	190.55	20.24	69.35
Min Ch El (m)	6.41	Shear (N/m2)	15.16	19.11	15.77
Alpha	1.01	Stream Power (N/m s)	21265.17	0.00	0.00
Frcn Loss (m)	0.02	Cum Volume (1000 m3)	6.66	1.34	3.90
C & E Loss (m)	0.00	Cum SA (1000 m2)	7.79	0.69	2.96

Plan: PLAN SENORA.V2 SITIO:DISEÑO RS: 40 Profile: 1:100 AÑOS

E.G. Elev (m)	6.70	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	6.59	Reach Len. (m)	19.60	20.00	19.52
Crit W.S. (m)	7.90	Flow Area (m2)	236.64	31.37	116.07
E.G. Slope (m/m)	0.001336	Area (m2)	236.64	31.37	116.07
Q Total (m3/s)	559.24	Flow (m3/s)	337.70	54.66	166.66
Top Width (m)	299.54	Top Width (m)	190.14	19.21	90.20
Vel Total (m/s)	1.45	Avg. Vel. (m/s)	1.42	1.73	1.44
Max Chl Dpth (m)	2.59	Hydr. Depth (m)	1.26	1.63	1.29
Conv. Total (m3/s)	15266.4	Conv. (m3/s)	9236.6	1500.1	4555.5
Length Wtd. (m)	19.62	Wetted Per. (m)	190.90	20.24	90.65
Min Ch El (m)	6.41	Shear (N/m2)	16.41	20.34	16.77
Alpha	1.01	Stream Power (N/m s)	21265.17	0.00	0.00
Frcn Loss (m)	0.02	Cum Volume (1000 m3)	9.59	1.40	4.19
C & E Loss (m)	0.00	Cum SA (1000 m2)	7.61	0.69	3.03

Plan: PLAN SENORA.V2 SITIO:DISEÑO RS: 20 Profile: 1:50 AÑOS

E.G. Elev (m)	6.57	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	6.47	Reach Len. (m)	19.93	20.00	19.39
Crit W.S. (m)	7.77	Flow Area (m2)	222.04	34.20	106.26
E.G. Slope (m/m)	0.001173	Area (m2)	222.04	34.20	106.26
Q Total (m3/s)	495.99	Flow (m3/s)	276.67	65.33	151.60
Top Width (m)	293.45	Top Width (m)	191.30	17.06	75.07
Vel Total (m/s)	1.37	Avg. Vel. (m/s)	1.26	1.91	1.43
Max Chl Dpth (m)	2.47	Hydr. Depth (m)	1.16	2.00	1.42
Conv. Total (m3/s)	14461.1	Conv. (m3/s)	8141.9	1907.4	4431.6
Length Wtd. (m)	19.79	Wetted Per. (m)	192.46	17.52	75.92
Min Ch El (m)	6.01	Shear (N/m2)	13.27	22.45	16.10
Alpha	1.06	Stream Power (N/m s)	21314.12	0.00	0.00
Frcn Loss (m)	0.03	Cum Volume (1000 m3)	4.52	0.70	1.62
C & E Loss (m)	0.00	Cum SA (1000 m2)	4.05	0.33	1.36

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 60 Profile: 1:100 AÑOS

E.G. Elev (m)	5.77	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	5.63	Reach Len. (m)	20.91	20.00	17.66
Crit W.S. (m)	5.19	Flow Area (m2)	160.06	51.51	131.42
E.G. Slope (m/m)	0.002022	Area (m2)	160.06	51.51	131.42
Q Total (m3/s)	555.96	Flow (m3/s)	256.94	92.25	206.79
Top Width (m)	309.42	Top Width (m)	144.37	43.45	121.60
Vel Total (m/s)	1.82	Avg. Vel. (m/s)	1.61	1.79	1.57
Max Chl Dpth (m)	1.96	Hydr. Depth (m)	1.11	1.19	1.06
Conv. Total (m3/s)	12363.2	Conv. (m3/s)	5713.5	2051.4	4595.4
Length Wtd. (m)	19.66	Wetted Per. (m)	144.44	43.74	122.21
Min Ch El (m)	6.65	Shear (N/m2)	21.95	23.35	21.33
Alpha	1.01	Stream Power (N/m s)	22315.55	0.00	0.00
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	17.90	3.02	6.61
C & E Loss (m)	0.01	Cum SA (1000 m2)	14.64	1.85	6.62

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 60 Profile: 1:50 AÑOS

E.G. Elev (m)	5.62	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	5.52	Reach Len. (m)	19.65	20.00	16.56
Crit W.S. (m)	5.01	Flow Area (m2)	194.42	36.61	111.16
E.G. Slope (m/m)	0.001605	Area (m2)	194.42	36.61	111.16
Q Total (m3/s)	493.11	Flow (m3/s)	273.54	62.50	157.06
Top Width (m)	306.00	Top Width (m)	179.46	27.76	101.36
Vel Total (m/s)	1.44	Avg. Vel. (m/s)	1.41	1.70	1.41
Max Chl Dpth (m)	2.09	Hydr. Depth (m)	1.06	1.33	1.10
Conv. Total (m3/s)	12309.4	Conv. (m3/s)	6626.3	1560.1	3921.1
Length Wtd. (m)	19.36	Wetted Per. (m)	179.76	26.46	102.11
Min Ch El (m)	6.65	Shear (N/m2)	17.02	20.34	17.13
Alpha	1.01	Stream Power (N/m s)	21620.56	0.00	0.00
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	12.94	2.00	5.94
C & E Loss (m)	0.00	Cum SA (1000 m2)	11.42	1.16	4.74

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 60 Profile: 1:100 AÑOS

E.G. Elev (m)	5.73	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	5.61	Reach Len. (m)	19.65	20.00	16.56
Crit W.S. (m)	5.07	Flow Area (m2)	211.36	39.43	120.61
E.G. Slope (m/m)	0.001579	Area (m2)	211.36	39.43	120.61
Q Total (m3/s)	557.61	Flow (m3/s)	311.24	69.51	176.86
Top Width (m)	311.00	Top Width (m)	160.01	27.76	103.23
Vel Total (m/s)	1.50	Avg. Vel. (m/s)	1.47	1.76	1.46
Max Chl Dpth (m)	2.19	Hydr. Depth (m)	1.17	1.42	1.17
Conv. Total (m3/s)	14034.0	Conv. (m3/s)	7633.3	1749.4	4451.4
Length Wtd. (m)	19.36	Wetted Per. (m)	160.32	26.46	103.96
Min Ch El (m)	6.65	Shear (N/m2)	16.15	21.43	17.99
Alpha	1.01	Stream Power (N/m s)	21620.56	0.00	0.00
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	14.01	2.11	6.39
C & E Loss (m)	0.00	Cum SA (1000 m2)	11.45	1.16	4.83

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 100 Profile: 1:50 AÑOS

E.G. Elev (m)	5.70	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	5.56	Reach Len. (m)	21.00	20.00	19.12
Crit W.S. (m)	5.17	Flow Area (m2)	141.66	35.96	136.16
E.G. Slope (m/m)	0.001999	Area (m2)	141.66	35.96	136.16
Q Total (m3/s)	490.22	Flow (m3/s)	222.64	70.71	196.66
Top Width (m)	304.51	Top Width (m)	130.45	31.66	142.19
Vel Total (m/s)	1.55	Avg. Vel. (m/s)	1.57	1.61	1.44
Max Chl Dpth (m)	1.61	Hydr. Depth (m)	1.09	1.22	0.96
Conv. Total (m3/s)	10963.6	Conv. (m3/s)	4953.6	1561.3	4395.7
Length Wtd. (m)	20.12	Wetted Per. (m)	130.64	32.16	142.76
Min Ch El (m)	6.77	Shear (N/m2)	21.26	23.75	16.70
Alpha	1.02	Stream Power (N/m s)	22730.70	0.00	0.00
Frctn Loss (m)	0.04	Cum Volume (1000 m3)	19.53	3.71	10.43
C & E Loss (m)	0.00	Cum SA (1000 m2)	17.66	2.63	9.21

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 100 Profile: 1:100 AÑOS

E.G. Elev (m)	5.61	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	5.67	Reach Len. (m)	21.00	20.00	19.12
Crit W.S. (m)	5.24	Flow Area (m2)	153.60	41.66	149.22
E.G. Slope (m/m)	0.001941	Area (m2)	153.60	41.66	149.22
Q Total (m3/s)	554.35	Flow (m3/s)	250.96	76.56	224.62
Top Width (m)	305.54	Top Width (m)	130.66	31.66	143.02
Vel Total (m/s)	1.61	Avg. Vel. (m/s)	1.63	1.66	1.51
Max Chl Dpth (m)	1.60	Hydr. Depth (m)	1.16	1.31	1.04
Conv. Total (m3/s)	12562.5	Conv. (m3/s)	5696.4	1763.2	5102.9
Length Wtd. (m)	20.11	Wetted Per. (m)	130.66	32.16	143.60
Min Ch El (m)	6.77	Shear (N/m2)	22.34	24.76	19.76
Alpha	1.02	Stream Power (N/m s)	22730.70	0.00	0.00
Frctn Loss (m)	0.04	Cum Volume (1000 m3)	21.19	3.95	11.30
C & E Loss (m)	0.00	Cum SA (1000 m2)	17.73	2.63	9.35

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 50 Profile: 1:50 AÑOS

E.G. Elev (m)	5.66	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	5.54	Reach Len. (m)	20.91	20.00	17.66
Crit W.S. (m)	5.14	Flow Area (m2)	146.64	47.45	120.14
E.G. Slope (m/m)	0.002094	Area (m2)	146.64	47.45	120.14
Q Total (m3/s)	491.67	Flow (m3/s)	227.22	81.69	162.56
Top Width (m)	306.66	Top Width (m)	143.19	43.45	120.24
Vel Total (m/s)	1.56	Avg. Vel. (m/s)	1.55	1.73	1.52
Max Chl Dpth (m)	1.66	Hydr. Depth (m)	1.02	1.09	1.00
Conv. Total (m3/s)	10743.4	Conv. (m3/s)	4965.0	1769.4	3969.1
Length Wtd. (m)	19.66	Wetted Per. (m)	143.25	43.74	120.65
Min Ch El (m)	6.66	Shear (N/m2)	21.02	22.26	20.42
Alpha	1.01	Stream Power (N/m s)	22315.55	0.00	0.00
Frctn Loss (m)	0.04	Cum Volume (1000 m3)	16.51	2.64	7.96
C & E Loss (m)	0.01	Cum SA (1000 m2)	14.79	1.66	6.70

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 140 Profile: 1:100 AÑOS

E.G. Elev (m)	9.04	Element	Left OB	Channel	Right OB
Vel Head (m)	0.29	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	6.75	Reach Len. (m)	16.62	20.00	20.57
Crit W.S. (m)	6.63	Flow Area (m2)	44.31	25.62	166.64
E.G. Slope (m/m)	0.005237	Area (m2)	44.31	25.62	166.64
Q Total (m3/s)	551.06	Flow (m3/s)	93.16	62.04	375.87
Top Width (m)	261.50	Top Width (m)	53.76	16.45	169.26
Vel Total (m/s)	2.31	Avg. Vel. (m/s)	2.10	3.16	2.23
Max Chl Dpth (m)	1.90	Hydr. Depth (m)	0.62	1.40	0.69
Conv. Total (m3/s)	7615.5	Conv. (m3/s)	1267.6	1133.7	5194.2
Length Wtd. (m)	20.10	Wetted Per. (m)	54.44	16.95	169.66
Min Ch El (m)	6.65	Shear (N/m2)	41.60	69.96	45.61
Alpha	1.06	Stream Power (N/m s)	23399.96	0.00	0.00
Frctn Loss (m)	0.11	Cum Volume (1000 m3)	24.32	5.20	17.34
C & E Loss (m)	0.00	Cum SA (1000 m2)	21.02	3.57	15.91

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 120 Profile: 1:50 AÑOS

E.G. Elev (m)	6.63	Element	Left OB	Channel	Right OB
Vel Head (m)	0.31	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	6.52	Reach Len. (m)	21.16	20.00	19.16
Crit W.S. (m)	6.47	Flow Area (m2)	46.61	26.74	130.36
E.G. Slope (m/m)	0.006423	Area (m2)	46.61	26.74	130.36
Q Total (m3/s)	486.76	Flow (m3/s)	101.33	66.80	300.65
Top Width (m)	254.62	Top Width (m)	70.66	21.63	161.93
Vel Total (m/s)	2.37	Avg. Vel. (m/s)	2.06	3.25	2.31
Max Chl Dpth (m)	1.61	Hydr. Depth (m)	0.69	1.22	0.61
Conv. Total (m3/s)	6096.6	Conv. (m3/s)	1264.3	1063.1	3751.4
Length Wtd. (m)	19.97	Wetted Per. (m)	71.25	22.13	162.53
Min Ch El (m)	6.91	Shear (N/m2)	43.15	76.09	50.52
Alpha	1.07	Stream Power (N/m s)	23226.75	5966.17	19151.15
Frctn Loss (m)	0.07	Cum Volume (1000 m3)	21.55	4.36	12.99
C & E Loss (m)	0.06	Cum SA (1000 m2)	19.79	3.17	12.12

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 120 Profile: 1:100 AÑOS

E.G. Elev (m)	6.92	Element	Left OB	Channel	Right OB
Vel Head (m)	0.32	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	6.61	Reach Len. (m)	21.16	20.00	19.16
Crit W.S. (m)	6.53	Flow Area (m2)	55.14	26.66	144.66
E.G. Slope (m/m)	0.005666	Area (m2)	55.14	26.66	144.66
Q Total (m3/s)	552.72	Flow (m3/s)	116.47	83.29	340.96
Top Width (m)	255.96	Top Width (m)	71.03	21.63	163.10
Vel Total (m/s)	2.42	Avg. Vel. (m/s)	2.15	3.25	2.35
Max Chl Dpth (m)	1.70	Hydr. Depth (m)	0.76	1.31	0.69
Conv. Total (m3/s)	7215.2	Conv. (m3/s)	1546.5	1217.6	4450.9
Length Wtd. (m)	19.97	Wetted Per. (m)	71.44	22.13	163.70
Min Ch El (m)	6.91	Shear (N/m2)	44.42	74.59	50.93
Alpha	1.06	Stream Power (N/m s)	23226.75	5966.17	19151.15
Frctn Loss (m)	0.06	Cum Volume (1000 m3)	23.40	4.66	14.12
C & E Loss (m)	0.05	Cum SA (1000 m2)	19.66	3.17	12.26

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 160 Profile: 1:50 AÑOS

E.G. Elev (m)	9.04	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	6.94	Reach Len. (m)	20.26	20.00	57.13
Crit W.S. (m)	8.37	Flow Area (m2)	85.94	111.08	165.22
E.G. Slope (m/m)	0.001039	Area (m2)	85.94	111.08	165.22
Q Total (m3/s)	485.90	Flow (m3/s)	107.05	186.15	162.70
Top Width (m)	262.27	Top Width (m)	67.55	57.15	157.56
Vel Total (m/s)	1.34	Avg. Vel. (m/s)	1.25	1.77	1.11
Max Chl Dpth (m)	2.32	Hydr. Depth (m)	1.27	1.94	1.05
Conv. Total (m3/s)	15076.4	Conv. (m3/s)	3321.5	6066.1	5666.6
Length Wtd. (m)	39.64	Wetted Per. (m)	66.64	56.46	158.20
Min Ch El (m)	6.62	Shear (N/m2)	12.72	19.35	10.64
Alpha	1.15	Stream Power (N/m s)	23793.24	0.00	0.00
Frctn Loss (m)	0.06	Cum Volume (1000 m3)	23.66	6.23	25.11
C & E Loss (m)	0.02	Cum SA (1000 m2)	22.16	4.32	25.61

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 160 Profile: 1:100 AÑOS

E.G. Elev (m)	9.14	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	9.02	Reach Len. (m)	20.26	20.00	57.13
Crit W.S. (m)	6.43	Flow Area (m2)	91.56	115.62	176.56
E.G. Slope (m/m)	0.001104	Area (m2)	91.56	115.62	176.56
Q Total (m3/s)	549.45	Flow (m3/s)	122.15	216.84	210.46
Top Width (m)	297.19	Top Width (m)	67.96	57.15	162.06
Vel Total (m/s)	1.42	Avg. Vel. (m/s)	1.33	1.67	1.16
Max Chl Dpth (m)	2.40	Hydr. Depth (m)	1.35	2.03	1.10
Conv. Total (m3/s)	16533.3	Conv. (m3/s)	3675.7	6524.9	6332.6
Length Wtd. (m)	39.63	Wetted Per. (m)	69.26	56.46	162.71
Min Ch El (m)	6.62	Shear (N/m2)	14.31	21.46	11.69
Alpha	1.14	Stream Power (N/m s)	23793.24	0.00	0.00
Frctn Loss (m)	0.06	Cum Volume (1000 m3)	25.70	6.62	27.26
C & E Loss (m)	0.02	Cum SA (1000 m2)	22.26	4.32	25.94

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 140 Profile: 1:50 AÑOS

E.G. Elev (m)	6.95	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	6.60	Reach Len. (m)	16.62	20.00	20.57
Crit W.S. (m)	6.57	Flow Area (m2)	40.70	24.56	155.95
E.G. Slope (m/m)	0.005231	Area (m2)	40.70	24.56	155.95
Q Total (m3/s)	457.34	Flow (m3/s)	60.96	75.54	330.83
Top Width (m)	260.44	Top Width (m)	53.64	16.45	166.35
Vel Total (m/s)	2.20	Avg. Vel. (m/s)	1.99	3.07	2.12
Max Chl Dpth (m)	1.63	Hydr. Depth (m)	0.76	1.33	0.63
Conv. Total (m3/s)	6736.3	Conv. (m3/s)	1119.6	1044.4	4574.3
Length Wtd. (m)	20.11	Wetted Per. (m)	54.29	16.95	166.94
Min Ch El (m)	6.65	Shear (N/m2)	36.46	66.55	42.34
Alpha	1.07	Stream Power (N/m s)	23399.96	0.00	0.00
Frctn Loss (m)	0.12	Cum Volume (1000 m3)	22.36	4.66	15.93
C & E Loss (m)	0.00	Cum SA (1000 m2)	20.95	3.57	15.73

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 240 Profile: 1:100 AÑOS

E.G. Elev (m)	9.24	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	9.06	Reach Len. (m)	19.73	20.00	20.29
Crit W.S. (m)	8.60	Flow Area (m2)	210.02	30.36	61.14
E.G. Slope (m/m)	0.002043	Area (m2)	210.02	30.36	61.14
Q Total (m3/s)	546.19	Flow (m3/s)	399.16	69.54	77.47
Top Width (m)	244.46	Top Width (m)	148.57	17.27	76.62
Vel Total (m/s)	1.81	Avg. Vel. (m/s)	1.90	2.29	1.27
Max Chl Dpth (m)	2.70	Hydr. Depth (m)	1.41	1.76	0.76
Conv. Total (m3/s)	12082.6	Conv. (m3/s)	8630.6	1536.4	1713.6
Length Wtd. (m)	19.90	Wetted Per. (m)	150.34	17.97	79.30
Min Ch El (m)	6.36	Shear (N/m2)	27.99	33.66	15.45
Alpha	1.06	Stream Power (N/m s)	25057.65	0.00	0.00
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	37.24	11.56	32.40
C & E Loss (m)	0.02	Cum SA (1000 m2)	30.45	6.66	30.93

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 220 Profile: 1:50 AÑOS

E.G. Elev (m)	9.09	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	8.99	Reach Len. (m)	55.11	60.00	17.90
Crit W.S. (m)	6.37	Flow Area (m2)	174.56	27.57	141.04
E.G. Slope (m/m)	0.001370	Area (m2)	174.56	27.57	141.04
Q Total (m3/s)	484.46	Flow (m3/s)	259.59	49.62	175.24
Top Width (m)	295.15	Top Width (m)	129.46	16.61	136.66
Vel Total (m/s)	1.41	Avg. Vel. (m/s)	1.49	1.80	1.24
Max Chl Dpth (m)	2.50	Hydr. Depth (m)	1.35	1.64	1.02
Conv. Total (m3/s)	13066.1	Conv. (m3/s)	7013.1	1340.6	4734.4
Length Wtd. (m)	42.62	Wetted Per. (m)	133.70	17.35	139.56
Min Ch El (m)	6.49	Shear (N/m2)	17.55	21.35	13.56
Alpha	1.04	Stream Power (N/m s)	24364.69	0.00	0.00
Frctn Loss (m)	0.05	Cum Volume (1000 m3)	30.64	10.39	27.65
C & E Loss (m)	0.00	Cum SA (1000 m2)	27.61	6.54	26.26

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 220 Profile: 1:100 AÑOS

E.G. Elev (m)	9.19	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	9.07	Reach Len. (m)	55.11	60.00	17.90
Crit W.S. (m)	6.45	Flow Area (m2)	165.69	29.01	153.15
E.G. Slope (m/m)	0.001416	Area (m2)	165.69	29.01	153.15
Q Total (m3/s)	547.62	Flow (m3/s)	292.42	54.96	200.44
Top Width (m)	269.55	Top Width (m)	129.56	16.61	143.16
Vel Total (m/s)	1.49	Avg. Vel. (m/s)	1.57	1.89	1.31
Max Chl Dpth (m)	2.56	Hydr. Depth (m)	1.43	1.73	1.07
Conv. Total (m3/s)	14546.5	Conv. (m3/s)	7764.6	1459.4	5322.3
Length Wtd. (m)	42.39	Wetted Per. (m)	133.99	17.35	143.66
Min Ch El (m)	6.49	Shear (N/m2)	19.27	23.25	14.61
Alpha	1.04	Stream Power (N/m s)	24364.69	0.00	0.00
Frctn Loss (m)	0.05	Cum Volume (1000 m3)	33.34	10.96	30.23
C & E Loss (m)	0.00	Cum SA (1000 m2)	27.70	6.54	26.66

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 260 Profile: 1:50 AÑOS

E.G. Elev (m)	9.16	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	9.06	Reach Len. (m)	19.66	20.00	20.47
Crit W.S. (m)	8.26	Flow Area (m2)	216.79	27.19	114.36
E.G. Slope (m/m)	0.000934	Area (m2)	216.79	27.19	114.36
Q Total (m3/s)	481.57	Flow (m3/s)	261.21	40.22	160.14
Top Width (m)	240.19	Top Width (m)	153.91	16.07	70.21
Vel Total (m/s)	1.34	Avg. Vel. (m/s)	1.29	1.45	1.40
Max Chl Dpth (m)	2.62	Hydr. Depth (m)	1.42	1.69	1.63
Conv. Total (m3/s)	15755.4	Conv. (m3/s)	9200.2	1315.9	5239.3
Length Wtd. (m)	20.02	Wetted Per. (m)	154.41	17.23	70.97
Min Ch El (m)	6.26	Shear (N/m2)	12.95	14.46	14.76
Alpha	1.01	Stream Power (N/m s)	24825.11	0.00	0.00
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	36.65	11.52	31.56
C & E Loss (m)	0.01	Cum SA (1000 m2)	33.34	7.22	31.96

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 260 Profile: 1:100 AÑOS

E.G. Elev (m)	9.26	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	9.17	Reach Len. (m)	19.66	20.00	20.47
Crit W.S. (m)	6.34	Flow Area (m2)	232.56	26.62	120.67
E.G. Slope (m/m)	0.000909	Area (m2)	232.56	26.62	120.67
Q Total (m3/s)	544.56	Flow (m3/s)	320.03	45.09	179.43
Top Width (m)	240.62	Top Width (m)	154.11	16.07	70.64
Vel Total (m/s)	1.43	Avg. Vel. (m/s)	1.38	1.56	1.49
Max Chl Dpth (m)	2.91	Hydr. Depth (m)	1.51	1.78	1.71
Conv. Total (m3/s)	17317.7	Conv. (m3/s)	10177.5	1434.0	5706.2
Length Wtd. (m)	20.02	Wetted Per. (m)	154.63	17.23	71.41
Min Ch El (m)	6.26	Shear (N/m2)	14.59	16.11	16.36
Alpha	1.01	Stream Power (N/m s)	24825.11	0.00	0.00
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	41.64	12.15	34.26
C & E Loss (m)	0.01	Cum SA (1000 m2)	33.45	7.22	32.45

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 240 Profile: 1:50 AÑOS

E.G. Elev (m)	9.14	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	8.96	Reach Len. (m)	19.73	20.00	20.29
Crit W.S. (m)	8.54	Flow Area (m2)	197.70	26.93	54.64
E.G. Slope (m/m)	0.001979	Area (m2)	197.70	26.93	54.64
Q Total (m3/s)	453.01	Flow (m3/s)	356.26	63.13	63.62
Top Width (m)	242.93	Top Width (m)	147.63	17.27	77.63
Vel Total (m/s)	1.72	Avg. Vel. (m/s)	1.60	2.16	1.16
Max Chl Dpth (m)	2.62	Hydr. Depth (m)	1.34	1.67	0.70
Conv. Total (m3/s)	10556.4	Conv. (m3/s)	8009.0	1419.1	1430.3
Length Wtd. (m)	19.90	Wetted Per. (m)	149.53	17.97	76.51
Min Ch El (m)	6.36	Shear (N/m2)	25.65	31.24	13.50
Alpha	1.06	Stream Power (N/m s)	25057.65	0.00	0.00
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	34.51	10.96	29.83
C & E Loss (m)	0.02	Cum SA (1000 m2)	30.34	6.88	30.46

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 300 Profile: 1:100 AÑOS

E.G. Elev (m)	9.37	Element	Left OB	Channel	Right OB
Vel Head (m)	0.24	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	9.13	Reach Len. (m)	19.59	20.00	23.14
Crit W.S. (m)	8.71	Flow Area (m2)	205.30	36.30	15.97
E.G. Slope (m/m)	0.002412	Area (m2)	205.30	36.30	15.97
Q Total (m3/s)	541.30	Flow (m3/s)	432.00	92.76	16.53
Top Width (m)	191.73	Top Width (m)	140.51	19.53	31.70
Vel Total (m/s)	2.10	Avg. Vel. (m/s)	2.10	2.56	1.04
Max Chl Dpth (m)	3.13	Hydr. Depth (m)	1.46	1.66	0.50
Conv. Total (m3/s)	11022.6	Conv. (m3/s)	8796.9	1869.0	336.7
Length Wtd. (m)	20.59	Wetted Per. (m)	140.66	20.64	31.73
Min Ch El (m)	6.36	Shear (N/m2)	34.47	41.60	11.90
Alpha	1.06	Stream Power (N/m s)	23970.49	4767.79	16336.33
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	50.27	13.74	40.83
C & E Loss (m)	0.05	Cum SA (1000 m2)	39.12	6.00	36.03

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 260 Profile: 1:50 AÑOS

E.G. Elev (m)	9.19	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	9.14	Reach Len. (m)	19.31	20.00	20.04
Crit W.S. (m)	7.54	Flow Area (m2)	211.20	45.04	226.30
E.G. Slope (m/m)	0.000412	Area (m2)	211.20	45.04	226.30
Q Total (m3/s)	480.13	Flow (m3/s)	164.15	52.64	243.33
Top Width (m)	290.34	Top Width (m)	143.91	21.26	115.15
Vel Total (m/s)	0.99	Avg. Vel. (m/s)	0.67	1.17	1.07
Max Chl Dpth (m)	3.14	Hydr. Depth (m)	1.47	2.12	1.96
Conv. Total (m3/s)	23642.9	Conv. (m3/s)	9066.3	2592.3	11962.4
Length Wtd. (m)	19.66	Wetted Per. (m)	144.47	22.01	115.56
Min Ch El (m)	6.26	Shear (N/m2)	5.91	6.27	7.99
Alpha	1.04	Stream Power (N/m s)	25471.60	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	42.60	12.24	35.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	36.21	7.59	33.83

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 260 Profile: 1:100 AÑOS

E.G. Elev (m)	9.30	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	9.24	Reach Len. (m)	19.31	20.00	20.04
Crit W.S. (m)	7.93	Flow Area (m2)	225.04	47.06	239.40
E.G. Slope (m/m)	0.000444	Area (m2)	225.04	47.06	239.40
Q Total (m3/s)	542.93	Flow (m3/s)	212.13	56.60	271.99
Top Width (m)	261.30	Top Width (m)	144.10	21.26	115.92
Vel Total (m/s)	1.06	Avg. Vel. (m/s)	0.94	1.25	1.14
Max Chl Dpth (m)	3.24	Hydr. Depth (m)	1.56	2.21	2.07
Conv. Total (m3/s)	25772.4	Conv. (m3/s)	10089.7	2791.4	12911.3
Length Wtd. (m)	19.66	Wetted Per. (m)	144.69	22.01	116.33
Min Ch El (m)	6.26	Shear (N/m2)	6.77	9.31	8.96
Alpha	1.03	Stream Power (N/m s)	25471.60	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	46.05	12.90	37.67
C & E Loss (m)	0.00	Cum SA (1000 m2)	36.33	7.59	34.32

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 320 Profile: 1:50 AÑOS

E.G. Elev (m)	9.30	Element	Left OB	Channel	Right OB
Vel Head (m)	0.20	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	9.10	Reach Len. (m)	19.51	20.00	21.17
Crit W.S. (m)	8.63	Flow Area (m2)	200.61	30.76	14.39
E.G. Slope (m/m)	0.002225	Area (m2)	200.61	30.76	14.39
Q Total (m3/s)	477.24	Flow (m3/s)	394.32	69.71	13.21
Top Width (m)	191.39	Top Width (m)	140.61	16.35	32.24
Vel Total (m/s)	1.94	Avg. Vel. (m/s)	1.97	2.27	0.92
Max Chl Dpth (m)	2.66	Hydr. Depth (m)	1.42	1.66	0.45
Conv. Total (m3/s)	10116.3	Conv. (m3/s)	8360.2	1476.0	280.1
Length Wtd. (m)	19.63	Wetted Per. (m)	143.50	19.71	32.25
Min Ch El (m)	6.44	Shear (N/m2)	30.50	34.05	9.73
Alpha	1.05	Stream Power (N/m s)	23113.91	0.00	0.00
Frctn Loss (m)	0.04	Cum Volume (1000 m3)	50.61	13.69	38.09
C & E Loss (m)	0.00	Cum SA (1000 m2)	41.74	6.36	36.15

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 320 Profile: 1:100 AÑOS

E.G. Elev (m)	9.42	Element	Left OB	Channel	Right OB
Vel Head (m)	0.23	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	9.19	Reach Len. (m)	19.51	20.00	21.17
Crit W.S. (m)	6.71	Flow Area (m2)	213.19	32.40	17.30
E.G. Slope (m/m)	0.002306	Area (m2)	213.19	32.40	17.30
Q Total (m3/s)	539.67	Flow (m3/s)	444.20	77.42	18.04
Top Width (m)	192.16	Top Width (m)	140.93	16.35	32.91
Vel Total (m/s)	2.05	Avg. Vel. (m/s)	2.06	2.39	1.04
Max Chl Dpth (m)	2.75	Hydr. Depth (m)	1.51	1.77	0.53
Conv. Total (m3/s)	11233.4	Conv. (m3/s)	9246.3	1611.6	375.5
Length Wtd. (m)	19.64	Wetted Per. (m)	143.65	19.71	32.93
Min Ch El (m)	6.44	Shear (N/m2)	33.59	37.21	11.69
Alpha	1.05	Stream Power (N/m s)	23113.91	0.00	0.00
Frctn Loss (m)	0.05	Cum Volume (1000 m3)	54.35	14.42	41.16
C & E Loss (m)	0.00	Cum SA (1000 m2)	41.66	6.36	36.72

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 300 Profile: 1:50 AÑOS

E.G. Elev (m)	9.26	Element	Left OB	Channel	Right OB
Vel Head (m)	0.21	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	9.04	Reach Len. (m)	19.59	20.00	23.14
Crit W.S. (m)	8.61	Flow Area (m2)	193.57	34.67	13.44
E.G. Slope (m/m)	0.002269	Area (m2)	193.57	34.67	13.44
Q Total (m3/s)	476.69	Flow (m3/s)	382.16	83.71	12.79
Top Width (m)	186.63	Top Width (m)	140.19	19.53	29.11
Vel Total (m/s)	1.96	Avg. Vel. (m/s)	1.97	2.41	0.95
Max Chl Dpth (m)	3.04	Hydr. Depth (m)	1.38	1.76	0.46
Conv. Total (m3/s)	10004.9	Conv. (m3/s)	7967.9	1749.6	267.4
Length Wtd. (m)	20.59	Wetted Per. (m)	140.53	20.64	29.15
Min Ch El (m)	6.36	Shear (N/m2)	30.92	37.71	10.35
Alpha	1.06	Stream Power (N/m s)	23970.49	4767.79	16336.33
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	46.77	13.04	37.79
C & E Loss (m)	0.05	Cum SA (1000 m2)	39.00	6.00	35.50

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 360 Profile: 1:100 AÑOS

E.G. Elev (m)	9.61	Element	Left OB	Channel	Right OB
Vel Head (m)	0.42	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	9.19	Reach Len. (m)	19.41	20.00	20.43
Crit W.S. (m)	9.08	Flow Area (m2)	133.71	32.28	32.14
E.G. Slope (m/m)	0.004871	Area (m2)	133.71	32.28	32.14
Q Total (m3/s)	536.40	Flow (m3/s)	362.66	117.12	56.41
Top Width (m)	171.91	Top Width (m)	105.65	17.24	49.02
Vel Total (m/s)	2.71	Avg. Vel. (m/s)	2.71	3.63	1.76
Max Chl Dpth (m)	2.75	Hydr. Depth (m)	1.27	1.67	0.66
Conv. Total (m3/s)	7666.0	Conv. (m3/s)	5199.6	1676.1	666.3
Length Wtd. (m)	19.61	Wetted Per. (m)	106.11	16.36	49.04
Min Ch El (m)	6.44	Shear (N/m2)	60.19	83.69	31.30
Alpha	1.12	Stream Power (N/m s)	22309.55	0.00	0.00
Frctn Loss (m)	0.08	Cum Volume (1000 m3)	61.03	15.70	42.17
C & E Loss (m)	0.03	Cum SA (1000 m2)	46.66	9.06	36.31

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 340 Profile: 1:50 AÑOS

E.G. Elev (m)	9.36	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	9.10	Reach Len. (m)	19.44	20.00	21.00
Crit W.S. (m)	6.53	Flow Area (m2)	159.55	29.67	19.90
E.G. Slope (m/m)	0.003370	Area (m2)	159.55	29.67	19.90
Q Total (m3/s)	475.60	Flow (m3/s)	365.29	64.05	26.46
Top Width (m)	175.69	Top Width (m)	123.45	17.51	34.93
Vel Total (m/s)	2.27	Avg. Vel. (m/s)	2.29	2.61	1.33
Max Chl Dpth (m)	2.65	Hydr. Depth (m)	1.29	1.71	0.57
Conv. Total (m3/s)	6196.5	Conv. (m3/s)	6292.7	1446.0	455.6
Length Wtd. (m)	19.60	Wetted Per. (m)	123.96	16.69	34.95
Min Ch El (m)	6.44	Shear (N/m2)	42.53	52.26	16.62
Alpha	1.07	Stream Power (N/m s)	22662.56	0.00	0.00
Frctn Loss (m)	0.05	Cum Volume (1000 m3)	54.11	14.30	36.45
C & E Loss (m)	0.02	Cum SA (1000 m2)	44.31	6.74	36.66

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 340 Profile: 1:100 AÑOS

E.G. Elev (m)	9.50	Element	Left OB	Channel	Right OB
Vel Head (m)	0.31	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	9.16	Reach Len. (m)	19.44	20.00	21.00
Crit W.S. (m)	6.90	Flow Area (m2)	170.22	31.36	22.96
E.G. Slope (m/m)	0.003466	Area (m2)	170.22	31.36	22.96
Q Total (m3/s)	535.04	Flow (m3/s)	412.20	92.57	33.27
Top Width (m)	177.41	Top Width (m)	123.65	17.51	36.24
Vel Total (m/s)	2.40	Avg. Vel. (m/s)	2.42	2.95	1.45
Max Chl Dpth (m)	2.74	Hydr. Depth (m)	1.38	1.79	0.63
Conv. Total (m3/s)	9136.7	Conv. (m3/s)	7001.4	1572.3	565.1
Length Wtd. (m)	19.60	Wetted Per. (m)	124.19	16.69	36.27
Min Ch El (m)	6.44	Shear (N/m2)	46.59	56.46	21.54
Alpha	1.07	Stream Power (N/m s)	22662.56	0.00	0.00
Frctn Loss (m)	0.05	Cum Volume (1000 m3)	56.06	15.06	41.60
C & E Loss (m)	0.03	Cum SA (1000 m2)	44.43	6.74	37.44

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 360 Profile: 1:50 AÑOS

E.G. Elev (m)	9.97	Element	Left OB	Channel	Right OB
Vel Head (m)	0.52	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	9.45	Reach Len. (m)	19.23	20.00	20.61
Crit W.S. (m)	9.45	Flow Area (m2)	65.30	36.76	61.47
E.G. Slope (m/m)	0.005276	Area (m2)	65.30	36.76	61.47
Q Total (m3/s)	472.92	Flow (m3/s)	163.59	157.77	151.55
Top Width (m)	137.66	Top Width (m)	61.71	16.43	59.72
Vel Total (m/s)	2.69	Avg. Vel. (m/s)	2.51	4.29	2.47
Max Chl Dpth (m)	3.00	Hydr. Depth (m)	1.06	2.24	1.03
Conv. Total (m3/s)	6510.5	Conv. (m3/s)	2252.1	2172.0	2086.3
Length Wtd. (m)	19.73	Wetted Per. (m)	62.04	17.30	59.62
Min Ch El (m)	6.45	Shear (N/m2)	54.46	110.03	53.17
Alpha	1.23	Stream Power (N/m s)	22471.72	7695.69	15320.92
Frctn Loss (m)	0.10	Cum Volume (1000 m3)	55.69	15.56	39.66
C & E Loss (m)	0.04	Cum SA (1000 m2)	46.13	9.42	36.61

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 360 Profile: 1:100 AÑOS

E.G. Elev (m)	10.10	Element	Left OB	Channel	Right OB
Vel Head (m)	0.56	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	9.54	Reach Len. (m)	19.23	20.00	20.61
Crit W.S. (m)	9.54	Flow Area (m2)	71.00	36.29	67.01
E.G. Slope (m/m)	0.005365	Area (m2)	71.00	36.29	67.01
Q Total (m3/s)	534.77	Flow (m3/s)	169.26	170.46	175.03
Top Width (m)	139.14	Top Width (m)	62.06	16.43	60.63
Vel Total (m/s)	3.03	Avg. Vel. (m/s)	2.67	4.45	2.61
Max Chl Dpth (m)	3.09	Hydr. Depth (m)	1.14	2.33	1.11
Conv. Total (m3/s)	7267.2	Conv. (m3/s)	2579.0	2323.1	2365.1
Length Wtd. (m)	19.74	Wetted Per. (m)	62.42	17.30	60.74
Min Ch El (m)	6.45	Shear (N/m2)	60.06	116.92	56.27
Alpha	1.20	Stream Power (N/m s)	22471.72	7695.69	15320.92
Frctn Loss (m)	0.10	Cum Volume (1000 m3)	63.00	16.40	43.19
C & E Loss (m)	0.04	Cum SA (1000 m2)	46.27	9.42	39.44

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 360 Profile: 1:50 AÑOS

E.G. Elev (m)	9.49	Element	Left OB	Channel	Right OB
Vel Head (m)	0.36	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	9.10	Reach Len. (m)	19.41	20.00	20.43
Crit W.S. (m)	8.97	Flow Area (m2)	124.56	30.79	27.93
E.G. Slope (m/m)	0.004627	Area (m2)	124.56	30.79	27.93
Q Total (m3/s)	474.36	Flow (m3/s)	321.49	107.73	45.14
Top Width (m)	170.57	Top Width (m)	105.43	17.24	47.69
Vel Total (m/s)	2.59	Avg. Vel. (m/s)	2.56	3.50	1.62
Max Chl Dpth (m)	2.66	Hydr. Depth (m)	1.16	1.79	0.56
Conv. Total (m3/s)	6627.9	Conv. (m3/s)	4627.5	1556.7	649.7
Length Wtd. (m)	19.60	Wetted Per. (m)	105.67	16.36	47.91
Min Ch El (m)	6.44	Shear (N/m2)	55.69	79.26	27.59
Alpha	1.13	Stream Power (N/m s)	22309.55	0.00	0.00
Frctn Loss (m)	0.06	Cum Volume (1000 m3)	56.67	14.90	36.94
C & E Loss (m)	0.03	Cum SA (1000 m2)	46.53	9.06	37.70

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 420 Profile: 1:100 AÑOS

E.G. Elev (m)	10.32	Element	Left OB	Channel	Right OB
Vel Head (m)	0.51	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	9.60	Reach Len. (m)	19.47	20.00	19.96
Crit W.S. (m)	9.65	Flow Area (m2)	37.63	41.57	101.16
E.G. Slope (m/m)	0.004059	Area (m2)	37.63	41.57	101.16
Q Total (m3/s)	531.51	Flow (m3/s)	66.66	170.56	274.28
Top Width (m)	119.06	Top Width (m)	33.00	16.29	69.77
Vel Total (m/s)	2.95	Avg. Vel. (m/s)	2.30	4.10	2.71
Max Chl Dpth (m)	3.33	Hydr. Depth (m)	1.14	2.55	1.45
Conv. Total (m3/s)	6342.3	Conv. (m3/s)	1360.1	2677.2	4304.9
Length Wtd. (m)	19.69	Wetted Per. (m)	33.33	17.16	70.13
Min Ch El (m)	6.46	Shear (N/m2)	44.95	96.41	57.42
Alpha	1.16	Stream Power (N/m s)	21669.38	0.00	0.00
Frctn Loss (m)	0.06	Cum Volume (1000 m3)	65.15	16.05	47.36
C & E Loss (m)	0.06	Cum SA (1000 m2)	50.01	10.07	42.30

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 400 Profile: 1:50 AÑOS

E.G. Elev (m)	10.06	Element	Left OB	Channel	Right OB
Vel Head (m)	0.29	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	9.77	Reach Len. (m)	19.50	20.00	20.12
Crit W.S. (m)	9.39	Flow Area (m2)	51.65	40.43	116.00
E.G. Slope (m/m)	0.002361	Area (m2)	51.65	40.43	116.00
Q Total (m3/s)	471.47	Flow (m3/s)	97.32	126.15	245.01
Top Width (m)	134.17	Top Width (m)	41.53	15.99	76.66
Vel Total (m/s)	2.26	Avg. Vel. (m/s)	1.66	3.12	2.14
Max Chl Dpth (m)	3.30	Hydr. Depth (m)	1.25	2.53	1.51
Conv. Total (m3/s)	9661.6	Conv. (m3/s)	1994.3	2565.0	5062.3
Length Wtd. (m)	19.92	Wetted Per. (m)	41.63	16.67	76.96
Min Ch El (m)	6.46	Shear (N/m2)	26.95	55.95	35.19
Alpha	1.12	Stream Power (N/m s)	21869.65	0.00	0.00
Frctn Loss (m)	0.07	Cum Volume (1000 m3)	59.64	16.35	41.64
C & E Loss (m)	0.02	Cum SA (1000 m2)	49.14	9.75	40.16

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 400 Profile: 1:100 AÑOS

E.G. Elev (m)	10.20	Element	Left OB	Channel	Right OB
Vel Head (m)	0.32	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	9.67	Reach Len. (m)	19.50	20.00	20.12
Crit W.S. (m)	9.46	Flow Area (m2)	56.25	42.11	124.13
E.G. Slope (m/m)	0.002460	Area (m2)	56.25	42.11	124.13
Q Total (m3/s)	533.14	Flow (m3/s)	113.21	137.63	282.10
Top Width (m)	134.96	Top Width (m)	41.62	15.99	77.15
Vel Total (m/s)	2.40	Avg. Vel. (m/s)	2.01	3.27	2.27
Max Chl Dpth (m)	3.41	Hydr. Depth (m)	1.35	2.63	1.61
Conv. Total (m3/s)	10705.2	Conv. (m3/s)	2273.2	2767.5	5064.4
Length Wtd. (m)	19.91	Wetted Per. (m)	42.13	16.67	77.49
Min Ch El (m)	6.46	Shear (N/m2)	32.47	60.71	36.96
Alpha	1.11	Stream Power (N/m s)	21869.65	0.00	0.00
Frctn Loss (m)	0.07	Cum Volume (1000 m3)	64.24	17.21	45.11
C & E Loss (m)	0.02	Cum SA (1000 m2)	49.29	9.75	40.63

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 440 Profile: 1:50 AÑOS

E.G. Elev (m)	10.24	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	9.96	Reach Len. (m)	19.72	20.00	19.66
Crit W.S. (m)	9.44	Flow Area (m2)	35.76	49.26	136.75
E.G. Slope (m/m)	0.001776	Area (m2)	35.76	49.26	136.75
Q Total (m3/s)	466.59	Flow (m3/s)	56.65	142.54	269.40
Top Width (m)	132.00	Top Width (m)	29.56	17.55	64.67
Vel Total (m/s)	2.09	Avg. Vel. (m/s)	1.58	2.69	1.94
Max Chl Dpth (m)	3.59	Hydr. Depth (m)	1.21	2.61	1.63
Conv. Total (m3/s)	11116.2	Conv. (m3/s)	1344.2	3362.0	6392.1
Length Wtd. (m)	19.79	Wetted Per. (m)	29.91	16.49	65.40
Min Ch El (m)	6.39	Shear (N/m2)	20.64	46.42	26.30
Alpha	1.14	Stream Power (N/m s)	21543.16	0.00	0.00
Frctn Loss (m)	0.05	Cum Volume (1000 m3)	61.37	16.05	46.04
C & E Loss (m)	0.02	Cum SA (1000 m2)	50.46	10.41	43.15

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 440 Profile: 1:100 AÑOS

E.G. Elev (m)	10.39	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	10.11	Reach Len. (m)	19.72	20.00	19.66
Crit W.S. (m)	9.56	Flow Area (m2)	39.53	51.46	149.55
E.G. Slope (m/m)	0.001631	Area (m2)	39.53	51.46	149.55
Q Total (m3/s)	529.66	Flow (m3/s)	67.46	155.72	306.66
Top Width (m)	133.00	Top Width (m)	29.63	17.55	66.22
Vel Total (m/s)	2.20	Avg. Vel. (m/s)	1.71	3.03	2.05
Max Chl Dpth (m)	3.72	Hydr. Depth (m)	1.33	2.93	1.73
Conv. Total (m3/s)	12362.7	Conv. (m3/s)	1576.9	3639.1	7166.6
Length Wtd. (m)	19.76	Wetted Per. (m)	30.20	16.49	66.75
Min Ch El (m)	6.39	Shear (N/m2)	23.51	50.01	30.96
Alpha	1.13	Stream Power (N/m s)	21543.16	0.00	0.00
Frctn Loss (m)	0.05	Cum Volume (1000 m3)	65.91	16.96	49.83
C & E Loss (m)	0.02	Cum SA (1000 m2)	50.63	10.41	43.83

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 420 Profile: 1:50 AÑOS

E.G. Elev (m)	10.17	Element	Left OB	Channel	Right OB
Vel Head (m)	0.46	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	9.71	Reach Len. (m)	19.47	20.00	19.96
Crit W.S. (m)	9.56	Flow Area (m2)	34.50	40.02	94.56
E.G. Slope (m/m)	0.003652	Area (m2)	34.50	40.02	94.56
Q Total (m3/s)	470.03	Flow (m3/s)	73.36	155.97	240.70
Top Width (m)	116.03	Top Width (m)	32.61	16.29	66.94
Vel Total (m/s)	2.76	Avg. Vel. (m/s)	2.13	3.90	2.55
Max Chl Dpth (m)	3.23	Hydr. Depth (m)	1.05	2.46	1.37
Conv. Total (m3/s)	7572.9	Conv. (m3/s)	1161.9	2512.9	3876.1
Length Wtd. (m)	19.69	Wetted Per. (m)	33.11	17.16	69.30
Min Ch El (m)	6.46	Shear (N/m2)	39.36	66.06	51.55
Alpha	1.17	Stream Power (N/m s)	21669.36	0.00	0.00
Frctn Loss (m)	0.06	Cum Volume (1000 m3)	66.66	17.16	43.75
C & E Loss (m)	0.05	Cum SA (1000 m2)	49.66	10.07	41.64

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 450 Profile: 1:100 AÑOS

E.G. Elev (m)	10.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.46	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	10.06	Reach Len. (m)	19.06	20.00	19.97
Crit W.S. (m)	9.90	Flow Area (m2)	50.16	51.41	95.14
E.G. Slope (m/m)	0.003259	Area (m2)	50.16	51.41	95.14
Q Total (m3/s)	526.62	Flow (m3/s)	121.16	201.46	203.97
Top Width (m)	131.67	Top Width (m)	34.69	17.46	79.52
Vel Total (m/s)	2.66	Avg. Vel. (m/s)	2.42	3.92	2.14
Max Chl Dpth (m)	4.26	Hydr. Depth (m)	1.45	2.94	1.20
Conv. Total (m3/s)	9224.1	Conv. (m3/s)	2122.2	3529.1	3572.6
Length Wtd. (m)	19.62	Wetted Per. (m)	35.06	19.29	79.57
Min Ch El (m)	5.62	Shear (N/m2)	45.71	85.17	36.22
Alpha	1.26	Stream Power (N/m s)	22597.49	0.00	0.00
Frctn Loss (m)	0.04	Cum Volume (1000 m3)	67.53	21.01	55.51
C & E Loss (m)	0.06	Cum SA (1000 m2)	51.62	11.10	47.30

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 460 Profile: 1:50 AÑOS

E.G. Elev (m)	10.26	Element	Left OB	Channel	Right OB
Vel Head (m)	0.23	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	10.05	Reach Len. (m)	19.36	20.00	19.92
Crit W.S. (m)	9.46	Flow Area (m2)	35.46	46.03	150.62
E.G. Slope (m/m)	0.001601	Area (m2)	35.46	46.03	150.62
Q Total (m3/s)	467.15	Flow (m3/s)	53.51	130.01	263.63
Top Width (m)	135.50	Top Width (m)	29.19	16.95	89.35
Vel Total (m/s)	2.00	Avg. Vel. (m/s)	1.51	2.71	1.66
Max Chl Dpth (m)	3.96	Hydr. Depth (m)	1.22	2.63	1.69
Conv. Total (m3/s)	11674.7	Conv. (m3/s)	1337.3	3249.1	7086.3
Length Wtd. (m)	19.66	Wetted Per. (m)	29.47	16.42	89.79
Min Ch El (m)	6.07	Shear (N/m2)	16.69	40.93	26.34
Alpha	1.12	Stream Power (N/m s)	21939.51	0.00	0.00
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	62.06	19.02	46.93
C & E Loss (m)	0.00	Cum SA (1000 m2)	51.05	10.75	44.89

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 460 Profile: 1:100 AÑOS

E.G. Elev (m)	10.43	Element	Left OB	Channel	Right OB
Vel Head (m)	0.25	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	10.16	Reach Len. (m)	19.36	20.00	19.92
Crit W.S. (m)	9.53	Flow Area (m2)	39.26	50.24	162.35
E.G. Slope (m/m)	0.001646	Area (m2)	39.26	50.24	162.35
Q Total (m3/s)	526.25	Flow (m3/s)	63.85	142.06	322.32
Top Width (m)	137.31	Top Width (m)	29.51	16.95	90.64
Vel Total (m/s)	2.10	Avg. Vel. (m/s)	1.63	2.63	1.99
Max Chl Dpth (m)	4.11	Hydr. Depth (m)	1.33	2.96	1.79
Conv. Total (m3/s)	13020.0	Conv. (m3/s)	1573.7	3501.9	7944.5
Length Wtd. (m)	19.67	Wetted Per. (m)	29.62	16.42	91.26
Min Ch El (m)	6.07	Shear (N/m2)	21.27	44.02	26.71
Alpha	1.11	Stream Power (N/m s)	21939.51	0.00	0.00
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	66.67	19.99	52.94
C & E Loss (m)	0.00	Cum SA (1000 m2)	51.21	10.75	45.59

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 500 Profile: 1:50 AÑOS

E.G. Elev (m)	10.47	Element	Left OB	Channel	Right OB
Vel Head (m)	0.50	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	9.97	Reach Len. (m)	19.32	20.00	19.57
Crit W.S. (m)	9.66	Flow Area (m2)	71.71	46.79	50.65
E.G. Slope (m/m)	0.003529	Area (m2)	71.71	46.79	50.65
Q Total (m3/s)	464.26	Flow (m3/s)	172.74	197.12	94.40
Top Width (m)	124.96	Top Width (m)	52.36	17.20	55.41
Vel Total (m/s)	2.71	Avg. Vel. (m/s)	2.41	4.04	1.86
Max Chl Dpth (m)	3.93	Hydr. Depth (m)	1.37	2.64	0.91
Conv. Total (m3/s)	7814.7	Conv. (m3/s)	2907.6	3316.1	1589.0
Length Wtd. (m)	19.66	Wetted Per. (m)	53.45	16.56	55.46
Min Ch El (m)	6.04	Shear (N/m2)	46.43	90.95	31.60
Alpha	1.33	Stream Power (N/m s)	22262.74	0.00	0.00
Frctn Loss (m)	0.07	Cum Volume (1000 m3)	63.96	20.97	52.60
C & E Loss (m)	0.02	Cum SA (1000 m2)	52.49	11.44	47.66

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 500 Profile: 1:100 AÑOS

E.G. Elev (m)	10.62	Element	Left OB	Channel	Right OB
Vel Head (m)	0.51	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	10.11	Reach Len. (m)	19.32	20.00	19.57
Crit W.S. (m)	9.99	Flow Area (m2)	76.79	51.11	56.24
E.G. Slope (m/m)	0.003446	Area (m2)	76.79	51.11	56.24
Q Total (m3/s)	524.99	Flow (m3/s)	199.00	210.46	115.51
Top Width (m)	126.63	Top Width (m)	52.61	17.20	57.01
Vel Total (m/s)	2.79	Avg. Vel. (m/s)	2.53	4.12	1.96
Max Chl Dpth (m)	4.07	Hydr. Depth (m)	1.50	2.97	1.02
Conv. Total (m3/s)	6942.6	Conv. (m3/s)	3399.6	3565.3	1967.5
Length Wtd. (m)	19.66	Wetted Per. (m)	53.73	16.56	57.09
Min Ch El (m)	6.04	Shear (N/m2)	49.56	93.04	34.46
Alpha	1.30	Stream Power (N/m s)	22262.74	0.00	0.00
Frctn Loss (m)	0.07	Cum Volume (1000 m3)	66.77	22.04	57.01
C & E Loss (m)	0.02	Cum SA (1000 m2)	52.66	11.44	48.63

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 480 Profile: 1:50 AÑOS

E.G. Elev (m)	10.39	Element	Left OB	Channel	Right OB
Vel Head (m)	0.44	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	9.94	Reach Len. (m)	19.06	20.00	19.97
Crit W.S. (m)	9.76	Flow Area (m2)	45.47	49.04	64.47
E.G. Slope (m/m)	0.003342	Area (m2)	45.47	49.04	64.47
Q Total (m3/s)	465.70	Flow (m3/s)	104.66	186.56	172.24
Top Width (m)	129.39	Top Width (m)	34.37	17.46	77.56
Vel Total (m/s)	2.60	Avg. Vel. (m/s)	2.31	3.65	2.04
Max Chl Dpth (m)	4.12	Hydr. Depth (m)	1.32	2.61	1.09
Conv. Total (m3/s)	6056.0	Conv. (m3/s)	1614.2	3262.2	2979.6
Length Wtd. (m)	19.62	Wetted Per. (m)	34.73	19.29	77.60
Min Ch El (m)	5.62	Shear (N/m2)	42.91	83.30	35.67
Alpha	1.29	Stream Power (N/m s)	22597.49	0.00	0.00
Frctn Loss (m)	0.04	Cum Volume (1000 m3)	62.63	19.99	51.27
C & E Loss (m)	0.07	Cum SA (1000 m2)	51.65	11.10	46.55

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 540 Profile: 1:100 AÑOS

E.G. Elev (m)	11.36	Element	Left OB	Channel	Right OB
Vel Head (m)	0.79	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	10.59	Reach Len. (m)	19.60	20.00	20.33
Crit W.S. (m)	10.59	Flow Area (m2)	55.20	55.52	39.26
E.G. Slope (m/m)	0.003594	Area (m2)	55.20	55.52	39.26
Q Total (m3/s)	521.73	Flow (m3/s)	167.90	279.63	74.00
Top Width (m)	92.21	Top Width (m)	33.06	16.35	42.79
Vel Total (m/s)	3.34	Avg. Vel. (m/s)	2.66	4.76	1.66
Max Chl Dpth (m)	4.32	Hydr. Depth (m)	1.76	3.56	0.92
Conv. Total (m3/s)	6702.5	Conv. (m3/s)	2600.6	4667.6	1234.4
Length Wtd. (m)	19.96	Wetted Per. (m)	33.55	17.54	42.92
Min Ch El (m)	6.26	Shear (N/m2)	61.13	117.63	32.26
Alpha	1.36	Stream Power (N/m s)	23017.96	0.00	0.00
Frctn Loss (m)	0.06	Cum Volume (1000 m3)	71.26	24.23	56.53
C & E Loss (m)	0.01	Cum SA (1000 m2)	54.26	12.13	50.07

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 520 Profile: 1:50 AÑOS

E.G. Elev (m)	10.96	Element	Left OB	Channel	Right OB
Vel Head (m)	0.76	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	10.17	Reach Len. (m)	19.46	20.00	19.90
Crit W.S. (m)	10.17	Flow Area (m2)	54.79	53.36	25.19
E.G. Slope (m/m)	0.004276	Area (m2)	54.79	53.36	25.19
Q Total (m3/s)	462.62	Flow (m3/s)	146.43	252.69	61.70
Top Width (m)	77.66	Top Width (m)	39.23	17.61	21.04
Vel Total (m/s)	3.47	Avg. Vel. (m/s)	2.71	4.73	2.45
Max Chl Dpth (m)	3.91	Hydr. Depth (m)	1.40	3.03	1.20
Conv. Total (m3/s)	7076.3	Conv. (m3/s)	2269.5	3663.5	943.4
Length Wtd. (m)	19.60	Wetted Per. (m)	39.54	16.51	21.15
Min Ch El (m)	6.26	Shear (N/m2)	56.12	121.00	49.95
Alpha	1.26	Stream Power (N/m s)	22166.71	0.00	0.00
Frctn Loss (m)	0.06	Cum Volume (1000 m3)	65.20	21.99	53.35
C & E Loss (m)	0.09	Cum SA (1000 m2)	53.36	11.79	48.62

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 520 Profile: 1:100 AÑOS

E.G. Elev (m)	11.16	Element	Left OB	Channel	Right OB
Vel Head (m)	0.90	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	10.26	Reach Len. (m)	19.46	20.00	19.90
Crit W.S. (m)	10.26	Flow Area (m2)	55.31	54.96	27.11
E.G. Slope (m/m)	0.004736	Area (m2)	55.31	54.96	27.11
Q Total (m3/s)	523.36	Flow (m3/s)	172.53	279.09	71.73
Top Width (m)	75.63	Top Width (m)	39.47	17.61	21.75
Vel Total (m/s)	3.73	Avg. Vel. (m/s)	2.96	5.06	2.65
Max Chl Dpth (m)	4.00	Hydr. Depth (m)	1.46	3.12	1.25
Conv. Total (m3/s)	7605.0	Conv. (m3/s)	2507.1	4055.5	1042.4
Length Wtd. (m)	19.60	Wetted Per. (m)	39.60	16.51	21.66
Min Ch El (m)	6.26	Shear (N/m2)	66.04	137.92	57.55
Alpha	1.27	Stream Power (N/m s)	22166.71	0.00	0.00
Frctn Loss (m)	0.06	Cum Volume (1000 m3)	70.11	23.10	57.66
C & E Loss (m)	0.11	Cum SA (1000 m2)	53.56	11.79	49.42

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 560 Profile: 1:50 AÑOS

E.G. Elev (m)	11.25	Element	Left OB	Channel	Right OB
Vel Head (m)	0.29	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	10.95	Reach Len. (m)	19.45	20.00	20.22
Crit W.S. (m)	10.16	Flow Area (m2)	91.49	63.28	55.43
E.G. Slope (m/m)	0.001361	Area (m2)	91.49	63.28	55.43
Q Total (m3/s)	459.93	Flow (m3/s)	166.52	187.65	65.77
Top Width (m)	95.45	Top Width (m)	42.30	16.96	39.19
Vel Total (m/s)	2.19	Avg. Vel. (m/s)	2.04	2.97	1.55
Max Chl Dpth (m)	4.75	Hydr. Depth (m)	2.16	3.73	1.41
Conv. Total (m3/s)	12466.8	Conv. (m3/s)	5055.7	5066.3	2324.7
Length Wtd. (m)	19.54	Wetted Per. (m)	42.66	16.74	39.26
Min Ch El (m)	6.21	Shear (N/m2)	28.49	45.06	18.54
Alpha	1.19	Stream Power (N/m s)	23675.59	0.00	0.00
Frctn Loss (m)	0.04	Cum Volume (1000 m3)	67.58	24.23	54.72
C & E Loss (m)	0.06	Cum SA (1000 m2)	54.62	12.46	49.93

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 560 Profile: 1:100 AÑOS

E.G. Elev (m)	11.47	Element	Left OB	Channel	Right OB
Vel Head (m)	0.30	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.17	Reach Len. (m)	19.45	20.00	20.22
Crit W.S. (m)	10.30	Flow Area (m2)	100.51	66.66	64.02
E.G. Slope (m/m)	0.001326	Area (m2)	100.51	66.66	64.02
Q Total (m3/s)	520.09	Flow (m3/s)	213.72	203.13	103.25
Top Width (m)	101.43	Top Width (m)	42.76	16.96	41.72
Vel Total (m/s)	2.25	Avg. Vel. (m/s)	2.13	3.04	1.61
Max Chl Dpth (m)	4.96	Hydr. Depth (m)	2.35	3.94	1.53
Conv. Total (m3/s)	14280.1	Conv. (m3/s)	5667.9	5577.2	2635.0
Length Wtd. (m)	19.54	Wetted Per. (m)	43.36	16.74	41.81
Min Ch El (m)	6.21	Shear (N/m2)	30.15	46.41	19.92
Alpha	1.16	Stream Power (N/m s)	23675.59	0.00	0.00
Frctn Loss (m)	0.04	Cum Volume (1000 m3)	72.60	25.46	59.56
C & E Loss (m)	0.05	Cum SA (1000 m2)	55.02	12.46	50.93

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 540 Profile: 1:50 AÑOS

E.G. Elev (m)	11.15	Element	Left OB	Channel	Right OB
Vel Head (m)	0.65	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	10.29	Reach Len. (m)	19.60	20.00	20.33
Crit W.S. (m)	10.29	Flow Area (m2)	46.30	53.56	27.20
E.G. Slope (m/m)	0.004249	Area (m2)	46.30	53.56	27.20
Q Total (m3/s)	461.36	Flow (m3/s)	135.60	262.69	63.09
Top Width (m)	63.54	Top Width (m)	32.46	16.35	34.71
Vel Total (m/s)	3.57	Avg. Vel. (m/s)	2.61	4.90	2.32
Max Chl Dpth (m)	4.02	Hydr. Depth (m)	1.49	3.26	0.76
Conv. Total (m3/s)	7077.9	Conv. (m3/s)	2090.2	4029.6	967.6
Length Wtd. (m)	19.96	Wetted Per. (m)	32.66	17.54	34.54
Min Ch El (m)	6.26	Shear (N/m2)	61.21	127.33	32.54
Alpha	1.31	Stream Power (N/m s)	23017.96	0.00	0.00
Frctn Loss (m)	0.09	Cum Volume (1000 m3)	66.22	23.06	53.66
C & E Loss (m)	0.02	Cum SA (1000 m2)	54.09	12.13	49.16

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 600 Profile: 1:100 AÑOS

E.G. Elev (m)	11.52	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.35	Reach Len. (m)	19.42	20.00	21.96
Crit W.S. (m)	10.19	Flow Area (m2)	163.53	70.25	55.56
E.G. Slope (m/m)	0.000610	Area (m2)	163.53	70.25	55.56
Q Total (m3/s)	516.63	Flow (m3/s)	270.66	161.56	64.60
Top Width (m)	115.76	Top Width (m)	70.59	16.97	26.23
Vel Total (m/s)	1.79	Avg. Vel. (m/s)	1.66	2.30	1.52
Max Chl Dpth (m)	4.95	Hydr. Depth (m)	2.32	3.70	2.12
Conv. Total (m3/s)	16156.2	Conv. (m3/s)	9509.0	5675.4	2971.6
Length Wtd. (m)	20.02	Wetted Per. (m)	70.96	20.65	27.36
Min Ch El (m)	6.40	Shear (N/m2)	16.31	27.03	16.14
Alpha	1.09	Stream Power (N/m s)	25223.21	0.00	0.00
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	76.02	26.21	61.90
C & E Loss (m)	0.01	Cum SA (1000 m2)	57.23	13.16	52.16

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 560 Profile: 1:50 AÑOS

E.G. Elev (m)	11.26	Element	Left OB	Channel	Right OB
Vel Head (m)	0.22	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.06	Reach Len. (m)	19.40	20.00	20.42
Crit W.S. (m)	10.06	Flow Area (m2)	124.66	64.02	44.75
E.G. Slope (m/m)	0.001044	Area (m2)	124.66	64.02	44.75
Q Total (m3/s)	456.49	Flow (m3/s)	225.23	162.63	70.44
Top Width (m)	99.37	Top Width (m)	56.93	17.61	24.64
Vel Total (m/s)	1.96	Avg. Vel. (m/s)	1.61	2.54	1.57
Max Chl Dpth (m)	4.76	Hydr. Depth (m)	2.19	3.60	1.82
Conv. Total (m3/s)	14192.3	Conv. (m3/s)	6971.7	5040.3	2160.3
Length Wtd. (m)	19.60	Wetted Per. (m)	57.39	19.56	25.33
Min Ch El (m)	6.30	Shear (N/m2)	22.24	33.50	16.06
Alpha	1.11	Stream Power (N/m s)	24357.34	0.00	0.00
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	69.67	25.50	55.74
C & E Loss (m)	0.01	Cum SA (1000 m2)	55.76	12.61	50.56

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 560 Profile: 1:100 AÑOS

E.G. Elev (m)	11.50	Element	Left OB	Channel	Right OB
Vel Head (m)	0.23	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.27	Reach Len. (m)	19.40	20.00	20.42
Crit W.S. (m)	10.21	Flow Area (m2)	136.65	67.75	50.00
E.G. Slope (m/m)	0.001027	Area (m2)	136.65	67.75	50.00
Q Total (m3/s)	516.46	Flow (m3/s)	258.60	177.46	62.16
Top Width (m)	100.65	Top Width (m)	57.37	17.61	25.46
Vel Total (m/s)	2.04	Avg. Vel. (m/s)	1.69	2.62	1.64
Max Chl Dpth (m)	4.97	Hydr. Depth (m)	2.36	3.60	1.96
Conv. Total (m3/s)	16160.3	Conv. (m3/s)	8076.6	5539.0	2564.6
Length Wtd. (m)	19.60	Wetted Per. (m)	57.67	19.56	26.19
Min Ch El (m)	6.30	Shear (N/m2)	23.77	34.67	19.22
Alpha	1.10	Stream Power (N/m s)	24357.34	0.00	0.00
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	75.11	26.63	60.74
C & E Loss (m)	0.01	Cum SA (1000 m2)	55.99	12.61	51.61

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 620 Profile: 1:50 AÑOS

E.G. Elev (m)	11.32	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.20	Reach Len. (m)	15.97	20.00	21.33
Crit W.S. (m)	10.02	Flow Area (m2)	149.04	97.67	99.66
E.G. Slope (m/m)	0.000496	Area (m2)	149.04	97.67	99.66
Q Total (m3/s)	455.61	Flow (m3/s)	177.20	167.04	91.36
Top Width (m)	171.47	Top Width (m)	73.39	25.51	72.57
Vel Total (m/s)	1.31	Avg. Vel. (m/s)	1.19	1.91	0.91
Max Chl Dpth (m)	4.73	Hydr. Depth (m)	2.03	3.64	1.36
Conv. Total (m3/s)	20446.3	Conv. (m3/s)	7953.1	6394.6	4100.4
Length Wtd. (m)	16.42	Wetted Per. (m)	73.56	26.29	73.04
Min Ch El (m)	6.47	Shear (N/m2)	9.66	16.12	6.66
Alpha	1.26	Stream Power (N/m s)	24926.47	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	74.70	26.45	56.36
C & E Loss (m)	0.01	Cum SA (1000 m2)	56.16	13.62	52.16

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 620 Profile: 1:100 AÑOS

E.G. Elev (m)	11.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.43	Reach Len. (m)	15.97	20.00	21.33
Crit W.S. (m)	10.16	Flow Area (m2)	165.41	103.54	116.41
E.G. Slope (m/m)	0.000470	Area (m2)	165.41	103.54	116.41
Q Total (m3/s)	515.20	Flow (m3/s)	204.19	199.91	111.11
Top Width (m)	175.56	Top Width (m)	73.65	25.51	76.20
Vel Total (m/s)	1.34	Avg. Vel. (m/s)	1.23	1.93	0.95
Max Chl Dpth (m)	4.95	Hydr. Depth (m)	2.24	4.06	1.53
Conv. Total (m3/s)	23765.5	Conv. (m3/s)	9416.6	9221.5	5125.2
Length Wtd. (m)	16.40	Wetted Per. (m)	74.09	26.29	76.66
Min Ch El (m)	6.47	Shear (N/m2)	10.29	16.15	7.00
Alpha	1.26	Stream Power (N/m s)	24926.47	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	60.65	29.95	63.73
C & E Loss (m)	0.01	Cum SA (1000 m2)	56.36	13.62	53.27

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 600 Profile: 1:50 AÑOS

E.G. Elev (m)	11.30	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.13	Reach Len. (m)	19.42	20.00	21.96
Crit W.S. (m)	10.07	Flow Area (m2)	146.47	66.20	50.05
E.G. Slope (m/m)	0.000635	Area (m2)	146.47	66.20	50.05
Q Total (m3/s)	457.05	Flow (m3/s)	234.97	146.50	73.59
Top Width (m)	114.55	Top Width (m)	70.14	16.97	25.44
Vel Total (m/s)	1.73	Avg. Vel. (m/s)	1.56	2.24	1.47
Max Chl Dpth (m)	4.74	Hydr. Depth (m)	2.12	3.49	1.97
Conv. Total (m3/s)	15616.4	Conv. (m3/s)	6132.2	5139.4	2546.6
Length Wtd. (m)	20.02	Wetted Per. (m)	70.46	20.65	26.54
Min Ch El (m)	6.40	Shear (N/m2)	17.24	26.24	15.44
Alpha	1.10	Stream Power (N/m s)	25223.21	0.00	0.00
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	72.32	26.61	56.76
C & E Loss (m)	0.01	Cum SA (1000 m2)	57.02	13.16	51.13

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 660 Profile: 1:100 AÑOS

E.G. Elev (m)	11.56	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.54	Reach Len. (m)	17.11	20.00	21.35
Crit W.S. (m)	8.60	Flow Area (m2)	60.51	67.60	596.13
E.G. Slope (m/m)	0.000109	Area (m2)	60.51	67.60	596.13
Q Total (m3/s)	511.94	Flow (m3/s)	41.30	61.49	409.14
Top Width (m)	274.22	Top Width (m)	44.66	16.66	212.67
Vel Total (m/s)	0.69	Avg. Vel. (m/s)	0.51	0.91	0.69
Max Chl Dpth (m)	5.54	Hydr. Depth (m)	1.60	4.07	2.80
Conv. Total (m3/s)	49120.2	Conv. (m3/s)	3963.1	5900.1	39257.0
Length Wtd. (m)	20.53	Wetted Per. (m)	44.67	17.63	214.66
Min Ch El (m)	6.47	Shear (N/m2)	1.91	4.05	2.96
Alpha	1.05	Stream Power (N/m s)	24174.66	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	65.01	33.54	77.75
C & E Loss (m)	0.00	Cum SA (1000 m2)	60.56	14.51	56.94

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 640 Profile: 1:50 AÑOS

E.G. Elev (m)	11.33	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.27	Reach Len. (m)	19.03	20.00	21.69
Crit W.S. (m)	9.07	Flow Area (m2)	103.43	66.56	269.46
E.G. Slope (m/m)	0.000254	Area (m2)	103.43	66.56	269.46
Q Total (m3/s)	454.16	Flow (m3/s)	60.63	120.76	252.77
Top Width (m)	194.47	Top Width (m)	56.04	23.01	113.42
Vel Total (m/s)	0.96	Avg. Vel. (m/s)	0.78	1.36	0.94
Max Chl Dpth (m)	4.62	Hydr. Depth (m)	1.76	3.65	2.36
Conv. Total (m3/s)	28504.6	Conv. (m3/s)	5090.5	7579.5	15864.3
Length Wtd. (m)	20.44	Wetted Per. (m)	56.16	23.69	114.61
Min Ch El (m)	6.46	Shear (N/m2)	4.43	9.23	5.64
Alpha	1.13	Stream Power (N/m s)	24466.52	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	77.10	30.31	62.42
C & E Loss (m)	0.01	Cum SA (1000 m2)	59.41	14.11	54.21

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 640 Profile: 1:100 AÑOS

E.G. Elev (m)	11.55	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.49	Reach Len. (m)	19.03	20.00	21.69
Crit W.S. (m)	9.22	Flow Area (m2)	116.49	93.64	294.96
E.G. Slope (m/m)	0.000254	Area (m2)	116.49	93.64	294.96
Q Total (m3/s)	513.57	Flow (m3/s)	95.40	132.46	285.71
Top Width (m)	202.03	Top Width (m)	60.69	23.01	116.32
Vel Total (m/s)	1.02	Avg. Vel. (m/s)	0.82	1.41	0.97
Max Chl Dpth (m)	5.04	Hydr. Depth (m)	1.92	4.07	2.49
Conv. Total (m3/s)	32236.9	Conv. (m3/s)	5966.4	6315.1	17935.4
Length Wtd. (m)	20.44	Wetted Per. (m)	60.63	23.69	119.72
Min Ch El (m)	6.46	Shear (N/m2)	4.77	9.76	6.13
Alpha	1.12	Stream Power (N/m s)	24466.52	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	63.33	31.92	65.24
C & E Loss (m)	0.01	Cum SA (1000 m2)	59.66	14.11	55.40

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 660 Profile: 1:50 AÑOS

E.G. Elev (m)	11.34	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.33	Reach Len. (m)	19.64	20.00	20.10
Crit W.S. (m)	7.65	Flow Area (m2)	60.44	62.58	614.57
E.G. Slope (m/m)	0.000034	Area (m2)	60.44	62.58	614.57
Q Total (m3/s)	451.28	Flow (m3/s)	15.57	31.00	401.70
Top Width (m)	247.46	Top Width (m)	30.27	15.97	201.22
Vel Total (m/s)	0.46	Avg. Vel. (m/s)	0.31	0.50	0.49
Max Chl Dpth (m)	5.33	Hydr. Depth (m)	2.00	3.92	4.05
Conv. Total (m3/s)	77236.9	Conv. (m3/s)	3176.7	5306.5	68751.6
Length Wtd. (m)	20.07	Wetted Per. (m)	30.50	17.11	202.17
Min Ch El (m)	6.42	Shear (N/m2)	0.66	1.22	1.35
Alpha	1.02	Stream Power (N/m s)	23567.66	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	79.88	33.11	84.87
C & E Loss (m)	0.00	Cum SA (1000 m2)	60.99	14.63	61.77

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 660 Profile: 1:100 AÑOS

E.G. Elev (m)	11.56	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.55	Reach Len. (m)	19.64	20.00	20.10
Crit W.S. (m)	7.75	Flow Area (m2)	67.30	66.13	659.69
E.G. Slope (m/m)	0.000037	Area (m2)	67.30	66.13	659.69
Q Total (m3/s)	510.31	Flow (m3/s)	22.55	35.43	452.33
Top Width (m)	292.54	Top Width (m)	31.49	15.97	205.09
Vel Total (m/s)	0.51	Avg. Vel. (m/s)	0.34	0.54	0.53
Max Chl Dpth (m)	5.55	Hydr. Depth (m)	2.14	4.14	4.19
Conv. Total (m3/s)	83789.0	Conv. (m3/s)	3703.0	5817.0	74269.0
Length Wtd. (m)	20.06	Wetted Per. (m)	31.73	17.11	206.05
Min Ch El (m)	6.42	Shear (N/m2)	0.77	1.41	1.52
Alpha	1.02	Stream Power (N/m s)	23567.66	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	66.47	34.67	92.36
C & E Loss (m)	0.00	Cum SA (1000 m2)	61.31	14.63	63.14

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 660 Profile: 1:50 AÑOS

E.G. Elev (m)	11.34	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.31	Reach Len. (m)	17.11	20.00	21.35
Crit W.S. (m)	8.31	Flow Area (m2)	70.64	64.10	549.34
E.G. Slope (m/m)	0.000109	Area (m2)	70.64	64.10	549.34
Q Total (m3/s)	452.72	Flow (m3/s)	34.56	56.08	362.08
Top Width (m)	267.96	Top Width (m)	42.46	16.66	208.62
Vel Total (m/s)	0.66	Avg. Vel. (m/s)	0.49	0.67	0.66
Max Chl Dpth (m)	5.31	Hydr. Depth (m)	1.67	3.65	2.63
Conv. Total (m3/s)	43382.1	Conv. (m3/s)	3312.0	5373.7	34096.4
Length Wtd. (m)	20.55	Wetted Per. (m)	42.65	17.63	210.62
Min Ch El (m)	6.47	Shear (N/m2)	1.77	3.84	2.79
Alpha	1.05	Stream Power (N/m s)	24174.66	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	76.59	31.64	71.16
C & E Loss (m)	0.00	Cum SA (1000 m2)	60.27	14.51	57.65

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 720 Profile: 1:100 AÑOS

E.G. Elev (m)	11.56	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.56	Reach Len. (m)	19.66	20.00	20.14
Crit W.S. (m)	7.76	Flow Area (m2)	60.91	66.06	1153.97
E.G. Slope (m/m)	0.000021	Area (m2)	60.91	66.06	1153.97
Q Total (m3/s)	507.05	Flow (m3/s)	19.57	27.16	400.30
Top Width (m)	324.30	Top Width (m)	40.24	16.65	267.41
Vel Total (m/s)	0.39	Avg. Vel. (m/s)	0.24	0.40	0.40
Max Chl Dpth (m)	5.56	Hydr. Depth (m)	2.01	4.09	4.32
Conv. Total (m3/s)	110667.2	Conv. (m3/s)	4279.0	5943.6	100664.4
Length Wtd. (m)	20.11	Wetted Per. (m)	40.46	17.61	272.56
Min Ch El (m)	6.43	Shear (N/m2)	0.41	0.76	0.87
Alpha	1.03	Stream Power (N/m s)	23446.91	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	69.30	37.59	131.46
C & E Loss (m)	0.00	Cum SA (1000 m2)	62.69	15.49	72.47

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 700 Profile: 1:50 AÑOS

E.G. Elev (m)	11.34	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.33	Reach Len. (m)	19.71	20.00	20.20
Crit W.S. (m)	7.33	Flow Area (m2)	62.29	64.61	661.17
E.G. Slope (m/m)	0.000030	Area (m2)	62.29	64.61	661.17
Q Total (m3/s)	449.64	Flow (m3/s)	17.35	29.92	402.56
Top Width (m)	272.06	Top Width (m)	32.90	16.77	222.39
Vel Total (m/s)	0.45	Avg. Vel. (m/s)	0.26	0.46	0.46
Max Chl Dpth (m)	5.33	Hydr. Depth (m)	1.69	3.66	3.96
Conv. Total (m3/s)	62075.6	Conv. (m3/s)	3166.4	5459.3	73450.1
Length Wtd. (m)	20.17	Wetted Per. (m)	33.06	17.69	222.63
Min Ch El (m)	6.37	Shear (N/m2)	0.55	1.07	1.16
Alpha	1.02	Stream Power (N/m s)	22946.36	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	61.09	34.36	102.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	61.61	15.16	66.05

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 700 Profile: 1:100 AÑOS

E.G. Elev (m)	11.56	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.55	Reach Len. (m)	19.71	20.00	20.20
Crit W.S. (m)	7.42	Flow Area (m2)	69.77	66.54	931.24
E.G. Slope (m/m)	0.000032	Area (m2)	69.77	66.54	931.24
Q Total (m3/s)	506.66	Flow (m3/s)	21.16	34.15	453.34
Top Width (m)	277.63	Top Width (m)	34.34	16.77	226.52
Vel Total (m/s)	0.46	Avg. Vel. (m/s)	0.30	0.50	0.49
Max Chl Dpth (m)	5.55	Hydr. Depth (m)	2.03	4.09	4.11
Conv. Total (m3/s)	66266.0	Conv. (m3/s)	3716.6	5993.2	79556.0
Length Wtd. (m)	20.16	Wetted Per. (m)	34.54	17.69	226.97
Min Ch El (m)	6.37	Shear (N/m2)	0.64	1.22	1.31
Alpha	1.02	Stream Power (N/m s)	22946.36	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	67.62	36.22	110.47
C & E Loss (m)	0.00	Cum SA (1000 m2)	61.96	15.16	67.50

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 740 Profile: 1:50 AÑOS

E.G. Elev (m)	11.34	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.33	Reach Len. (m)	19.36	20.00	19.73
Crit W.S. (m)	7.55	Flow Area (m2)	65.51	63.40	1096.96
E.G. Slope (m/m)	0.000020	Area (m2)	65.51	63.40	1096.96
Q Total (m3/s)	446.95	Flow (m3/s)	16.94	23.60	406.41
Top Width (m)	315.15	Top Width (m)	31.43	16.47	270.26
Vel Total (m/s)	0.36	Avg. Vel. (m/s)	0.25	0.37	0.37
Max Chl Dpth (m)	5.33	Hydr. Depth (m)	2.16	3.65	4.06
Conv. Total (m3/s)	100372.6	Conv. (m3/s)	3604.7	5305.7	91267.3
Length Wtd. (m)	19.73	Wetted Per. (m)	31.66	17.70	276.16
Min Ch El (m)	6.51	Shear (N/m2)	0.42	0.70	0.77
Alpha	1.02	Stream Power (N/m s)	23165.73	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	63.77	36.95	143.51
C & E Loss (m)	0.00	Cum SA (1000 m2)	63.01	15.62	76.29

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 740 Profile: 1:100 AÑOS

E.G. Elev (m)	11.56	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.56	Reach Len. (m)	19.36	20.00	19.73
Crit W.S. (m)	7.63	Flow Area (m2)	75.57	67.08	1157.22
E.G. Slope (m/m)	0.000021	Area (m2)	75.57	67.08	1157.22
Q Total (m3/s)	505.41	Flow (m3/s)	20.36	26.76	456.26
Top Width (m)	315.59	Top Width (m)	31.67	16.47	270.26
Vel Total (m/s)	0.39	Avg. Vel. (m/s)	0.27	0.40	0.40
Max Chl Dpth (m)	5.56	Hydr. Depth (m)	2.37	4.07	4.26
Conv. Total (m3/s)	105979.5	Conv. (m3/s)	4433.9	5622.2	99723.3
Length Wtd. (m)	19.73	Wetted Per. (m)	32.36	17.70	276.40
Min Ch El (m)	6.51	Shear (N/m2)	0.46	0.76	0.86
Alpha	1.02	Stream Power (N/m s)	23165.73	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	90.61	36.94	154.26
C & E Loss (m)	0.00	Cum SA (1000 m2)	63.39	15.62	77.77

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 720 Profile: 1:50 AÑOS

E.G. Elev (m)	11.34	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.33	Reach Len. (m)	19.66	20.00	20.14
Crit W.S. (m)	7.70	Flow Area (m2)	71.95	64.37	1094.34
E.G. Slope (m/m)	0.000020	Area (m2)	71.95	64.37	1094.34
Q Total (m3/s)	446.39	Flow (m3/s)	15.74	23.99	408.66
Top Width (m)	323.65	Top Width (m)	39.79	16.65	267.41
Vel Total (m/s)	0.36	Avg. Vel. (m/s)	0.22	0.37	0.37
Max Chl Dpth (m)	5.33	Hydr. Depth (m)	1.61	3.67	4.09
Conv. Total (m3/s)	101160.1	Conv. (m3/s)	3551.1	5413.4	92195.6
Length Wtd. (m)	20.11	Wetted Per. (m)	39.98	17.61	272.35
Min Ch El (m)	6.43	Shear (N/m2)	0.35	0.70	0.77
Alpha	1.03	Stream Power (N/m s)	23448.91	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	62.41	35.67	121.69
C & E Loss (m)	0.00	Cum SA (1000 m2)	62.33	15.49	70.96

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 760 Profile: 1:100 AÑOS

E.G. Elev (m)	11.57	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.55	Reach Len. (m)	19.92	20.00	19.81
Crit W.S. (m)	9.76	Flow Area (m2)	66.44	76.29	606.19
E.G. Slope (m/m)	0.000122	Area (m2)	66.44	76.29	606.19
Q Total (m3/s)	502.15	Flow (m3/s)	43.35	74.62	383.95
Top Width (m)	315.70	Top Width (m)	29.77	19.59	266.34
Vel Total (m/s)	0.67	Avg. Vel. (m/s)	0.63	0.96	0.63
Max Chl Dpth (m)	4.69	Hydr. Depth (m)	2.30	4.00	2.26
Conv. Total (m3/s)	45487.2	Conv. (m3/s)	3929.3	6776.0	34779.9
Length Wtd. (m)	19.64	Wetted Per. (m)	30.27	20.74	270.66
Min Ch El (m)	6.65	Shear (N/m2)	2.70	4.51	2.69
Alpha	1.07	Stream Power (N/m s)	22740.46	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	93.47	41.71	188.05
C & E Loss (m)	0.00	Cum SA (1000 m2)	64.54	16.51	65.20

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 760 Profile: 1:50 AÑOS

E.G. Elev (m)	11.34	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.33	Reach Len. (m)	19.63	20.00	19.60
Crit W.S. (m)	5.93	Flow Area (m2)	55.66	62.20	775.46
E.G. Slope (m/m)	0.000054	Area (m2)	55.66	62.20	775.46
Q Total (m3/s)	445.51	Flow (m3/s)	22.16	37.63	385.70
Top Width (m)	303.45	Top Width (m)	26.39	16.38	260.66
Vel Total (m/s)	0.50	Avg. Vel. (m/s)	0.40	0.61	0.50
Max Chl Dpth (m)	4.75	Hydr. Depth (m)	2.12	3.60	2.97
Conv. Total (m3/s)	60536.4	Conv. (m3/s)	3026.7	5139.0	52670.7
Length Wtd. (m)	19.63	Wetted Per. (m)	26.95	17.66	266.62
Min Ch El (m)	6.56	Shear (N/m2)	1.09	1.65	1.53
Alpha	1.02	Stream Power (N/m s)	22407.56	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	65.00	36.21	161.65
C & E Loss (m)	0.00	Cum SA (1000 m2)	63.59	16.15	61.49

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 760 Profile: 1:100 AÑOS

E.G. Elev (m)	11.57	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.55	Reach Len. (m)	19.63	20.00	19.60
Crit W.S. (m)	5.96	Flow Area (m2)	61.61	65.65	633.55
E.G. Slope (m/m)	0.000054	Area (m2)	61.61	65.65	633.55
Q Total (m3/s)	503.76	Flow (m3/s)	26.01	41.52	436.25
Top Width (m)	303.90	Top Width (m)	26.63	16.38	260.66
Vel Total (m/s)	0.52	Avg. Vel. (m/s)	0.42	0.63	0.52
Max Chl Dpth (m)	4.97	Hydr. Depth (m)	2.30	4.02	3.20
Conv. Total (m3/s)	66565.2	Conv. (m3/s)	3539.5	5651.3	59374.4
Length Wtd. (m)	19.63	Wetted Per. (m)	27.45	17.66	266.64
Min Ch El (m)	6.56	Shear (N/m2)	1.19	1.97	1.65
Alpha	1.02	Stream Power (N/m s)	22407.56	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	92.17	40.27	173.77
C & E Loss (m)	0.00	Cum SA (1000 m2)	63.97	16.15	62.96

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 500 Profile: 1:50 AÑOS

E.G. Elev (m)	11.36	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.31	Reach Len. (m)	20.20	20.00	19.70
Crit W.S. (m)	9.75	Flow Area (m2)	57.77	64.51	363.66
E.G. Slope (m/m)	0.000240	Area (m2)	57.77	64.51	363.66
Q Total (m3/s)	442.62	Flow (m3/s)	43.53	83.00	316.09
Top Width (m)	214.23	Top Width (m)	32.54	16.94	164.74
Vel Total (m/s)	0.91	Avg. Vel. (m/s)	0.75	1.29	0.87
Max Chl Dpth (m)	4.64	Hydr. Depth (m)	1.78	3.61	2.21
Conv. Total (m3/s)	28561.4	Conv. (m3/s)	2808.7	5356.0	20396.7
Length Wtd. (m)	19.60	Wetted Per. (m)	32.79	16.20	166.64
Min Ch El (m)	6.67	Shear (N/m2)	4.15	6.35	5.14
Alpha	1.09	Stream Power (N/m s)	22850.43	6702.91	16495.21
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	67.38	40.95	163.96
C & E Loss (m)	0.01	Cum SA (1000 m2)	64.77	16.88	90.96

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 500 Profile: 1:100 AÑOS

E.G. Elev (m)	11.58	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.53	Reach Len. (m)	20.20	20.00	19.70
Crit W.S. (m)	9.62	Flow Area (m2)	65.04	66.27	400.63
E.G. Slope (m/m)	0.000231	Area (m2)	65.04	66.27	400.63
Q Total (m3/s)	500.52	Flow (m3/s)	51.53	89.53	359.46
Top Width (m)	216.19	Top Width (m)	32.99	16.94	168.26
Vel Total (m/s)	0.94	Avg. Vel. (m/s)	0.79	1.31	0.90
Max Chl Dpth (m)	4.66	Hydr. Depth (m)	1.97	4.03	2.36
Conv. Total (m3/s)	32906.1	Conv. (m3/s)	3386.2	5666.2	23633.6
Length Wtd. (m)	19.60	Wetted Per. (m)	33.26	16.20	170.16
Min Ch El (m)	6.67	Shear (N/m2)	4.43	6.51	5.34
Alpha	1.08	Stream Power (N/m s)	22850.43	6702.91	16495.21
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	94.62	43.16	197.99
C & E Loss (m)	0.01	Cum SA (1000 m2)	65.17	16.88	92.48

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 700 Profile: 1:50 AÑOS

E.G. Elev (m)	11.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.32	Reach Len. (m)	19.92	20.00	19.61
Crit W.S. (m)	9.70	Flow Area (m2)	61.64	73.92	548.77
E.G. Slope (m/m)	0.000131	Area (m2)	61.64	73.92	548.77
Q Total (m3/s)	444.07	Flow (m3/s)	36.37	70.43	335.26
Top Width (m)	315.26	Top Width (m)	29.33	19.59	266.34
Vel Total (m/s)	0.65	Avg. Vel. (m/s)	0.62	0.95	0.61
Max Chl Dpth (m)	4.67	Hydr. Depth (m)	2.11	3.77	2.06
Conv. Total (m3/s)	36534.6	Conv. (m3/s)	3355.9	6109.1	29319.6
Length Wtd. (m)	19.64	Wetted Per. (m)	29.77	20.74	270.43
Min Ch El (m)	6.65	Shear (N/m2)	2.66	4.57	2.60
Alpha	1.09	Stream Power (N/m s)	22740.46	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	66.16	39.57	174.97
C & E Loss (m)	0.00	Cum SA (1000 m2)	64.14	16.51	66.71

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 540 Profile: 1:100 AÑOS

E.G. Elev (m)	11.59	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.55	Reach Len. (m)	19.51	20.00	20.36
Crit W.S. (m)	9.74	Flow Area (m2)	64.63	171.30	364.71
E.G. Slope (m/m)	0.000147	Area (m2)	64.63	171.30	364.71
Q Total (m3/s)	497.26	Flow (m3/s)	43.13	184.40	209.73
Top Width (m)	239.92	Top Width (m)	30.21	42.05	167.66
Vel Total (m/s)	0.60	Avg. Vel. (m/s)	0.67	1.08	0.70
Max Chl Dpth (m)	5.26	Hydr. Depth (m)	2.15	4.07	2.29
Conv. Total (m3/s)	41054.2	Conv. (m3/s)	3560.5	15224.3	22269.4
Length Wtd. (m)	20.20	Wetted Per. (m)	30.65	43.64	166.10
Min Ch El (m)	6.29	Shear (N/m2)	3.04	5.65	3.29
Alpha	1.15	Stream Power (N/m s)	22615.96	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	97.42	46.63	214.25
C & E Loss (m)	0.00	Cum SA (1000 m2)	66.49	17.80	99.29

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 520 Profile: 1:50 AÑOS

E.G. Elev (m)	11.36	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.32	Reach Len. (m)	19.77	20.00	19.92
Crit W.S. (m)	9.66	Flow Area (m2)	59.60	59.26	376.73
E.G. Slope (m/m)	0.000234	Area (m2)	59.60	59.26	376.73
Q Total (m3/s)	441.16	Flow (m3/s)	43.26	72.26	325.63
Top Width (m)	220.82	Top Width (m)	35.16	16.42	169.24
Vel Total (m/s)	0.69	Avg. Vel. (m/s)	0.72	1.22	0.86
Max Chl Dpth (m)	4.63	Hydr. Depth (m)	1.70	3.61	2.23
Conv. Total (m3/s)	25537.4	Conv. (m3/s)	2629.0	4724.2	21264.2
Length Wtd. (m)	19.92	Wetted Per. (m)	35.37	17.76	170.73
Min Ch El (m)	6.69	Shear (N/m2)	3.66	7.65	5.06
Alpha	1.07	Stream Power (N/m s)	23121.56	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	65.55	42.19	191.33
C & E Loss (m)	0.00	Cum SA (1000 m2)	65.44	17.21	94.26

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 520 Profile: 1:100 AÑOS

E.G. Elev (m)	11.59	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.54	Reach Len. (m)	19.77	20.00	19.92
Crit W.S. (m)	9.73	Flow Area (m2)	67.65	62.92	414.45
E.G. Slope (m/m)	0.000222	Area (m2)	67.65	62.92	414.45
Q Total (m3/s)	496.69	Flow (m3/s)	51.25	77.67	369.97
Top Width (m)	222.17	Top Width (m)	35.60	16.42	170.15
Vel Total (m/s)	0.92	Avg. Vel. (m/s)	0.76	1.23	0.89
Max Chl Dpth (m)	4.65	Hydr. Depth (m)	1.90	3.63	2.44
Conv. Total (m3/s)	33514.7	Conv. (m3/s)	3442.6	5216.0	24654.1
Length Wtd. (m)	19.92	Wetted Per. (m)	35.66	17.76	171.75
Min Ch El (m)	6.69	Shear (N/m2)	4.10	7.69	5.24
Alpha	1.06	Stream Power (N/m s)	23121.56	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	96.13	44.49	206.11
C & E Loss (m)	0.00	Cum SA (1000 m2)	65.65	17.21	95.65

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 660 Profile: 1:50 AÑOS

E.G. Elev (m)	11.37	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.34	Reach Len. (m)	20.06	20.00	19.92
Crit W.S. (m)	9.56	Flow Area (m2)	47.41	61.59	464.77
E.G. Slope (m/m)	0.000165	Area (m2)	47.41	61.59	464.77
Q Total (m3/s)	435.30	Flow (m3/s)	31.92	65.67	340.72
Top Width (m)	269.64	Top Width (m)	23.57	16.30	229.76
Vel Total (m/s)	0.74	Avg. Vel. (m/s)	0.67	1.07	0.70
Max Chl Dpth (m)	4.67	Hydr. Depth (m)	2.01	3.78	2.11
Conv. Total (m3/s)	34106.3	Conv. (m3/s)	2453.5	5109.9	26513.0
Length Wtd. (m)	19.95	Wetted Per. (m)	24.07	17.40	230.65
Min Ch El (m)	6.66	Shear (N/m2)	3.19	5.73	3.40
Alpha	1.06	Stream Power (N/m s)	22961.12	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	90.76	46.64	207.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	66.61	16.36	101.65

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 660 Profile: 1:100 AÑOS

E.G. Elev (m)	11.60	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.56	Reach Len. (m)	20.06	20.00	19.92
Crit W.S. (m)	9.65	Flow Area (m2)	52.71	65.22	535.96
E.G. Slope (m/m)	0.000155	Area (m2)	52.71	65.22	535.96
Q Total (m3/s)	495.63	Flow (m3/s)	36.36	69.97	369.26
Top Width (m)	270.63	Top Width (m)	24.02	16.30	230.51
Vel Total (m/s)	0.76	Avg. Vel. (m/s)	0.69	1.07	0.73
Max Chl Dpth (m)	4.69	Hydr. Depth (m)	2.19	4.00	2.33
Conv. Total (m3/s)	39617.2	Conv. (m3/s)	2922.5	5621.3	31273.3
Length Wtd. (m)	19.95	Wetted Per. (m)	24.57	17.40	231.43
Min Ch El (m)	6.66	Shear (N/m2)	3.26	5.70	3.52
Alpha	1.06	Stream Power (N/m s)	22961.12	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	96.60	49.19	223.42
C & E Loss (m)	0.00	Cum SA (1000 m2)	67.03	16.36	103.26

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 640 Profile: 1:50 AÑOS

E.G. Elev (m)	11.37	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.33	Reach Len. (m)	19.51	20.00	20.36
Crit W.S. (m)	9.67	Flow Area (m2)	55.17	161.96	347.64
E.G. Slope (m/m)	0.000151	Area (m2)	55.17	161.96	347.64
Q Total (m3/s)	439.74	Flow (m3/s)	36.92	170.37	232.46
Top Width (m)	235.02	Top Width (m)	29.77	42.05	166.20
Vel Total (m/s)	0.77	Avg. Vel. (m/s)	0.63	1.05	0.67
Max Chl Dpth (m)	5.04	Hydr. Depth (m)	1.95	3.65	2.09
Conv. Total (m3/s)	35792.0	Conv. (m3/s)	3004.7	13606.7	16920.6
Length Wtd. (m)	20.20	Wetted Per. (m)	30.15	43.64	166.63
Min Ch El (m)	6.29	Shear (N/m2)	2.66	5.49	3.09
Alpha	1.17	Stream Power (N/m s)	22615.96	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	69.70	44.40	196.72
C & E Loss (m)	0.00	Cum SA (1000 m2)	66.07	17.80	97.70

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 900 Profile: 1:100 AÑOS

E.G. Elev (m)	11.60	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.56	Reach Len. (m)	20.70	20.00	19.86
Crit W.S. (m)	9.42	Flow Area (m2)	22.47	67.31	632.52
E.G. Slope (m/m)	0.000126	Area (m2)	22.47	67.31	632.52
Q Total (m3/s)	492.37	Flow (m3/s)	12.66	64.55	415.16
Top Width (m)	299.66	Top Width (m)	11.57	17.02	271.06
Vel Total (m/s)	0.66	Avg. Vel. (m/s)	0.56	0.96	0.66
Max Chl Dpth (m)	4.66	Hydr. Depth (m)	1.94	3.95	2.33
Conv. Total (m3/s)	43912.0	Conv. (m3/s)	1129.1	5756.7	37026.3
Length Wtd. (m)	19.90	Wetted Per. (m)	12.14	16.16	271.80
Min Ch El (m)	6.71	Shear (N/m2)	2.26	4.57	2.87
Alpha	1.06	Stream Power (N/m s)	23261.62	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	99.86	52.07	246.49
C & E Loss (m)	0.00	Cum SA (1000 m2)	67.66	19.15	113.31

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 850 Profile: 1:50 AÑOS

E.G. Elev (m)	11.37	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.35	Reach Len. (m)	20.31	20.00	19.87
Crit W.S. (m)	9.67	Flow Area (m2)	21.25	72.75	520.75
E.G. Slope (m/m)	0.000160	Area (m2)	21.25	72.75	520.75
Q Total (m3/s)	436.66	Flow (m3/s)	12.71	70.16	353.96
Top Width (m)	297.44	Top Width (m)	12.09	21.96	253.36
Vel Total (m/s)	0.71	Avg. Vel. (m/s)	0.60	0.96	0.66
Max Chl Dpth (m)	4.64	Hydr. Depth (m)	1.76	3.31	2.06
Conv. Total (m3/s)	34516.9	Conv. (m3/s)	1004.5	5545.5	27966.9
Length Wtd. (m)	19.91	Wetted Per. (m)	12.56	23.33	254.61
Min Ch El (m)	6.70	Shear (N/m2)	2.65	4.90	3.21
Alpha	1.06	Stream Power (N/m s)	23225.42	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	91.45	47.96	217.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	66.97	16.76	106.45

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 850 Profile: 1:100 AÑOS

E.G. Elev (m)	11.60	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.57	Reach Len. (m)	20.31	20.00	19.87
Crit W.S. (m)	9.74	Flow Area (m2)	23.99	77.64	577.37
E.G. Slope (m/m)	0.000149	Area (m2)	23.99	77.64	577.37
Q Total (m3/s)	494.00	Flow (m3/s)	14.64	75.52	403.83
Top Width (m)	299.66	Top Width (m)	12.54	21.96	255.36
Vel Total (m/s)	0.73	Avg. Vel. (m/s)	0.61	0.97	0.70
Max Chl Dpth (m)	4.67	Hydr. Depth (m)	1.91	3.54	2.26
Conv. Total (m3/s)	40423.0	Conv. (m3/s)	1195.1	6160.1	33044.6
Length Wtd. (m)	19.91	Wetted Per. (m)	13.06	23.33	256.62
Min Ch El (m)	6.70	Shear (N/m2)	2.69	4.67	3.30
Alpha	1.05	Stream Power (N/m s)	23225.42	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	99.38	50.62	234.46
C & E Loss (m)	0.00	Cum SA (1000 m2)	67.41	16.76	106.06

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 920 Profile: 1:50 AÑOS

E.G. Elev (m)	11.39	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.35	Reach Len. (m)	20.01	20.00	19.92
Crit W.S. (m)	9.24	Flow Area (m2)	33.54	66.43	415.90
E.G. Slope (m/m)	0.000177	Area (m2)	33.54	66.43	415.90
Q Total (m3/s)	433.97	Flow (m3/s)	22.75	71.62	339.40
Top Width (m)	201.55	Top Width (m)	17.22	16.25	166.06
Vel Total (m/s)	0.64	Avg. Vel. (m/s)	0.66	1.08	0.82
Max Chl Dpth (m)	4.62	Hydr. Depth (m)	1.95	3.64	2.50
Conv. Total (m3/s)	32620.1	Conv. (m3/s)	1709.7	5396.8	25511.6
Length Wtd. (m)	19.94	Wetted Per. (m)	17.73	19.35	166.60
Min Ch El (m)	6.73	Shear (N/m2)	3.26	5.96	4.33
Alpha	1.04	Stream Power (N/m s)	22990.38	6616.02	18959.64
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	92.42	50.64	237.70
C & E Loss (m)	0.00	Cum SA (1000 m2)	67.49	19.50	115.93

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 920 Profile: 1:100 AÑOS

E.G. Elev (m)	11.61	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.57	Reach Len. (m)	20.01	20.00	19.92
Crit W.S. (m)	9.40	Flow Area (m2)	37.39	70.46	452.62
E.G. Slope (m/m)	0.000175	Area (m2)	37.39	70.46	452.62
Q Total (m3/s)	490.73	Flow (m3/s)	26.59	76.71	385.43
Top Width (m)	203.96	Top Width (m)	17.67	16.25	166.07
Vel Total (m/s)	0.66	Avg. Vel. (m/s)	0.71	1.12	0.85
Max Chl Dpth (m)	4.64	Hydr. Depth (m)	2.12	3.66	2.69
Conv. Total (m3/s)	37131.2	Conv. (m3/s)	2012.1	5955.7	29163.4
Length Wtd. (m)	19.94	Wetted Per. (m)	18.23	19.35	166.61
Min Ch El (m)	6.73	Shear (N/m2)	3.51	6.24	4.60
Alpha	1.04	Stream Power (N/m s)	22990.38	6616.02	18959.64
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	100.46	53.45	257.31
C & E Loss (m)	0.00	Cum SA (1000 m2)	67.95	19.50	117.66

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 900 Profile: 1:50 AÑOS

E.G. Elev (m)	11.36	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.35	Reach Len. (m)	20.70	20.00	19.86
Crit W.S. (m)	9.36	Flow Area (m2)	19.94	63.52	572.70
E.G. Slope (m/m)	0.000132	Area (m2)	19.94	63.52	572.70
Q Total (m3/s)	435.41	Flow (m3/s)	10.95	60.12	364.34
Top Width (m)	295.35	Top Width (m)	11.13	17.02	267.20
Vel Total (m/s)	0.66	Avg. Vel. (m/s)	0.55	0.95	0.64
Max Chl Dpth (m)	4.64	Hydr. Depth (m)	1.79	3.73	2.14
Conv. Total (m3/s)	37857.8	Conv. (m3/s)	951.9	5227.6	31676.3
Length Wtd. (m)	19.90	Wetted Per. (m)	11.64	16.16	267.91
Min Ch El (m)	6.71	Shear (N/m2)	2.22	4.54	2.77
Alpha	1.07	Stream Power (N/m s)	23261.62	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	91.66	49.34	227.65
C & E Loss (m)	0.00	Cum SA (1000 m2)	67.21	19.15	111.61

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 960 Profile: 1:100 AÑOS

E.G. Elev (m)	11.62	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.56	Reach Len. (m)	19.63	20.00	19.61
Crit W.S. (m)	8.96	Flow Area (m2)	47.02	70.66	464.89
E.G. Slope (m/m)	0.000135	Area (m2)	47.02	70.66	464.89
Q Total (m3/s)	489.10	Flow (m3/s)	29.01	70.10	309.99
Top Width (m)	202.23	Top Width (m)	22.60	16.06	161.34
Vel Total (m/s)	0.61	Avg. Vel. (m/s)	0.62	0.99	0.80
Max Chl Dpth (m)	4.65	Hydr. Depth (m)	2.06	3.91	3.01
Conv. Total (m3/s)	42136.7	Conv. (m3/s)	2499.5	6039.0	33596.2
Length Wtd. (m)	19.67	Wetted Per. (m)	23.34	19.10	161.79
Min Ch El (m)	6.74	Shear (N/m2)	2.66	4.89	3.96
Alpha	1.03	Stream Power (N/m s)	22195.34	6616.02	19466.30
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	102.55	56.26	274.66
C & E Loss (m)	0.00	Cum SA (1000 m2)	66.92	20.24	123.93

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 940 Profile: 1:50 AÑOS

E.G. Elev (m)	11.39	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.35	Reach Len. (m)	20.26	20.00	20.01
Crit W.S. (m)	9.10	Flow Area (m2)	56.11	65.91	364.72
E.G. Slope (m/m)	0.000175	Area (m2)	56.11	65.91	364.72
Q Total (m3/s)	432.53	Flow (m3/s)	36.60	70.19	323.53
Top Width (m)	192.52	Top Width (m)	26.16	16.40	145.96
Vel Total (m/s)	0.65	Avg. Vel. (m/s)	0.69	1.07	0.84
Max Chl Dpth (m)	4.60	Hydr. Depth (m)	1.99	3.56	2.64
Conv. Total (m3/s)	32657.4	Conv. (m3/s)	2929.6	5299.9	24427.6
Length Wtd. (m)	20.03	Wetted Per. (m)	26.62	19.51	146.34
Min Ch El (m)	6.75	Shear (N/m2)	3.37	5.61	4.52
Alpha	1.04	Stream Power (N/m s)	22594.53	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	93.32	51.97	245.71
C & E Loss (m)	0.00	Cum SA (1000 m2)	67.95	19.67	119.05

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 940 Profile: 1:100 AÑOS

E.G. Elev (m)	11.61	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.57	Reach Len. (m)	20.26	20.00	20.01
Crit W.S. (m)	9.31	Flow Area (m2)	62.36	69.97	417.49
E.G. Slope (m/m)	0.000177	Area (m2)	62.36	69.97	417.49
Q Total (m3/s)	489.10	Flow (m3/s)	46.02	77.99	365.10
Top Width (m)	197.64	Top Width (m)	26.61	16.40	150.63
Vel Total (m/s)	0.69	Avg. Vel. (m/s)	0.74	1.11	0.87
Max Chl Dpth (m)	4.62	Hydr. Depth (m)	2.16	3.80	2.77
Conv. Total (m3/s)	36723.2	Conv. (m3/s)	3454.9	5855.3	27412.9
Length Wtd. (m)	20.03	Wetted Per. (m)	29.12	19.51	151.01
Min Ch El (m)	6.75	Shear (N/m2)	3.73	6.24	4.81
Alpha	1.04	Stream Power (N/m s)	22594.53	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	101.47	54.85	266.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	66.42	19.67	120.87

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 950 Profile: 1:50 AÑOS

E.G. Elev (m)	11.40	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.37	Reach Len. (m)	19.60	20.00	20.04
Crit W.S. (m)	8.91	Flow Area (m2)	22.10	70.18	498.46
E.G. Slope (m/m)	0.000116	Area (m2)	22.10	70.18	498.46
Q Total (m3/s)	432.53	Flow (m3/s)	10.92	63.18	358.43
Top Width (m)	207.27	Top Width (m)	13.17	16.70	175.40
Vel Total (m/s)	0.73	Avg. Vel. (m/s)	0.49	0.90	0.72
Max Chl Dpth (m)	4.65	Hydr. Depth (m)	1.66	3.75	2.84
Conv. Total (m3/s)	40195.4	Conv. (m3/s)	1014.7	5871.5	33309.2
Length Wtd. (m)	20.02	Wetted Per. (m)	13.66	19.57	175.61
Min Ch El (m)	6.72	Shear (N/m2)	1.54	4.07	3.22
Alpha	1.03	Stream Power (N/m s)	22105.09	6616.02	19366.60
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	94.92	54.66	203.39
C & E Loss (m)	0.00	Cum SA (1000 m2)	66.60	20.60	125.36

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 950 Profile: 1:100 AÑOS

E.G. Elev (m)	11.62	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.59	Reach Len. (m)	19.60	20.00	20.04
Crit W.S. (m)	9.12	Flow Area (m2)	25.07	74.32	537.54
E.G. Slope (m/m)	0.000116	Area (m2)	25.07	74.32	537.54
Q Total (m3/s)	489.10	Flow (m3/s)	13.25	70.03	405.83
Top Width (m)	210.10	Top Width (m)	13.61	16.70	177.79
Vel Total (m/s)	0.77	Avg. Vel. (m/s)	0.53	0.94	0.75
Max Chl Dpth (m)	4.67	Hydr. Depth (m)	1.54	3.97	3.02
Conv. Total (m3/s)	45115.6	Conv. (m3/s)	1221.6	6459.7	37434.2
Length Wtd. (m)	20.02	Wetted Per. (m)	14.16	19.57	176.01
Min Ch El (m)	6.72	Shear (N/m2)	2.04	4.36	3.46
Alpha	1.03	Stream Power (N/m s)	22105.09	6616.02	19366.60
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	103.25	57.71	255.11
C & E Loss (m)	0.00	Cum SA (1000 m2)	69.26	20.60	127.33

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 950 Profile: 1:50 AÑOS

E.G. Elev (m)	11.39	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.36	Reach Len. (m)	19.63	20.00	19.61
Crit W.S. (m)	8.54	Flow Area (m2)	42.03	66.69	449.56
E.G. Slope (m/m)	0.000133	Area (m2)	42.03	66.69	449.56
Q Total (m3/s)	432.53	Flow (m3/s)	24.21	63.09	345.22
Top Width (m)	196.60	Top Width (m)	22.35	16.06	156.36
Vel Total (m/s)	0.77	Avg. Vel. (m/s)	0.56	0.95	0.77
Max Chl Dpth (m)	4.62	Hydr. Depth (m)	1.66	3.69	2.84
Conv. Total (m3/s)	37573.3	Conv. (m3/s)	2103.5	5460.6	29989.0
Length Wtd. (m)	19.67	Wetted Per. (m)	22.64	19.10	156.60
Min Ch El (m)	6.74	Shear (N/m2)	2.39	4.54	3.66
Alpha	1.03	Stream Power (N/m s)	22195.34	6616.02	19466.30
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	94.29	53.29	253.69
C & E Loss (m)	0.00	Cum SA (1000 m2)	66.45	20.24	122.04

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1020 Profile: 1:100 AÑOS

E.G. Elev (m)	11.63	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.61	Reach Len. (m)	19.68	20.00	19.69
Crit W.S. (m)	9.00	Flow Area (m2)	50.61	66.96	753.79
E.G. Slope (m/m)	0.000063	Area (m2)	50.61	66.96	753.79
Q Total (m3/s)	457.47	Flow (m3/s)	22.24	45.56	419.67
Top Width (m)	264.13	Top Width (m)	23.12	17.29	243.73
Vel Total (m/s)	0.56	Avg. Vel. (m/s)	0.44	0.68	0.56
Max Chi Dpth (m)	4.66	Hydr. Depth (m)	2.19	3.65	3.09
Conv. Total (m3/s)	61154.8	Conv. (m3/s)	2791.4	5716.1	52675.2
Length Wtd. (m)	19.73	Wetted Per. (m)	23.76	16.11	246.34
Min Ch El (m)	6.75	Shear (N/m2)	1.32	2.30	1.89
Alpha	1.02	Stream Power (N/m s)	22354.76	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	104.41	60.69	308.43
C & E Loss (m)	0.00	Cum SA (1000 m2)	69.67	21.37	135.10

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1000 Profile: 1:50 AÑOS

E.G. Elev (m)	11.40	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.37	Reach Len. (m)	19.53	20.00	19.51
Crit W.S. (m)	9.16	Flow Area (m2)	16.70	74.02	503.04
E.G. Slope (m/m)	0.000116	Area (m2)	16.70	74.02	503.04
Q Total (m3/s)	431.09	Flow (m3/s)	9.09	66.16	355.62
Top Width (m)	213.35	Top Width (m)	11.36	20.09	161.90
Vel Total (m/s)	0.72	Avg. Vel. (m/s)	0.49	0.69	0.71
Max Chi Dpth (m)	4.65	Hydr. Depth (m)	1.65	3.65	2.77
Conv. Total (m3/s)	39995.9	Conv. (m3/s)	643.4	6140.0	33012.5
Length Wtd. (m)	19.56	Wetted Per. (m)	11.66	20.91	162.10
Min Ch El (m)	6.73	Shear (N/m2)	1.79	4.03	3.15
Alpha	1.03	Stream Power (N/m s)	22253.21	7660.46	19151.15
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	95.32	56.10	273.16
C & E Loss (m)	0.00	Cum SA (1000 m2)	69.03	20.99	126.67

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1000 Profile: 1:100 AÑOS

E.G. Elev (m)	11.62	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.59	Reach Len. (m)	19.53	20.00	19.51
Crit W.S. (m)	9.23	Flow Area (m2)	21.27	76.47	543.67
E.G. Slope (m/m)	0.000116	Area (m2)	21.27	76.47	543.67
Q Total (m3/s)	457.47	Flow (m3/s)	11.04	73.49	402.95
Top Width (m)	217.25	Top Width (m)	11.61	20.09	165.35
Vel Total (m/s)	0.76	Avg. Vel. (m/s)	0.52	0.94	0.74
Max Chi Dpth (m)	4.67	Hydr. Depth (m)	1.60	3.91	2.93
Conv. Total (m3/s)	44891.6	Conv. (m3/s)	1016.7	6767.4	37107.5
Length Wtd. (m)	19.56	Wetted Per. (m)	12.36	20.91	165.55
Min Ch El (m)	6.73	Shear (N/m2)	1.99	4.34	3.39
Alpha	1.03	Stream Power (N/m s)	22253.21	7660.46	19151.15
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	103.70	59.24	295.65
C & E Loss (m)	0.00	Cum SA (1000 m2)	69.53	20.99	130.67

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1040 Profile: 1:50 AÑOS

E.G. Elev (m)	11.40	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.39	Reach Len. (m)	19.66	20.00	19.46
Crit W.S. (m)	8.74	Flow Area (m2)	61.70	57.93	766.99
E.G. Slope (m/m)	0.000046	Area (m2)	61.70	57.93	766.99
Q Total (m3/s)	429.64	Flow (m3/s)	22.63	31.64	375.17
Top Width (m)	262.52	Top Width (m)	29.01	16.22	237.30
Vel Total (m/s)	0.46	Avg. Vel. (m/s)	0.37	0.55	0.49
Max Chl Dpth (m)	4.63	Hydr. Depth (m)	2.13	3.57	3.23
Conv. Total (m3/s)	63265.7	Conv. (m3/s)	3362.3	4659.4	55244.0
Length Wtd. (m)	19.53	Wetted Per. (m)	29.52	17.14	241.47
Min Ch El (m)	6.76	Shear (N/m2)	0.95	1.53	1.44
Alpha	1.01	Stream Power (N/m s)	22169.61	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	97.01	56.66	299.27
C & E Loss (m)	0.00	Cum SA (1000 m2)	69.66	21.70	137.74

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1040 Profile: 1:100 AÑOS

E.G. Elev (m)	11.63	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.61	Reach Len. (m)	19.66	20.00	19.46
Crit W.S. (m)	6.61	Flow Area (m2)	66.22	61.55	619.67
E.G. Slope (m/m)	0.000047	Area (m2)	66.22	61.55	619.67
Q Total (m3/s)	465.54	Flow (m3/s)	26.96	35.36	423.49
Top Width (m)	262.97	Top Width (m)	29.46	16.22	237.30
Vel Total (m/s)	0.51	Avg. Vel. (m/s)	0.40	0.57	0.52
Max Chl Dpth (m)	4.65	Hydr. Depth (m)	2.32	3.79	3.46
Conv. Total (m3/s)	70763.9	Conv. (m3/s)	3930.1	5154.1	61699.6
Length Wtd. (m)	19.53	Wetted Per. (m)	30.02	17.14	241.69
Min Ch El (m)	6.76	Shear (N/m2)	1.05	1.66	1.57
Alpha	1.01	Stream Power (N/m s)	22169.61	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	105.59	61.96	323.74
C & E Loss (m)	0.00	Cum SA (1000 m2)	70.39	21.70	139.76

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1020 Profile: 1:50 AÑOS

E.G. Elev (m)	11.40	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.39	Reach Len. (m)	19.66	20.00	19.69
Crit W.S. (m)	8.94	Flow Area (m2)	45.51	63.12	699.49
E.G. Slope (m/m)	0.000064	Area (m2)	45.51	63.12	699.49
Q Total (m3/s)	431.09	Flow (m3/s)	16.91	41.29	370.89
Top Width (m)	263.66	Top Width (m)	22.67	17.26	243.73
Vel Total (m/s)	0.53	Avg. Vel. (m/s)	0.42	0.65	0.53
Max Chl Dpth (m)	4.64	Hydr. Depth (m)	2.01	3.65	2.87
Conv. Total (m3/s)	54064.9	Conv. (m3/s)	2371.9	5160.9	46532.1
Length Wtd. (m)	19.73	Wetted Per. (m)	23.26	16.11	246.11
Min Ch El (m)	6.75	Shear (N/m2)	1.22	2.17	1.76
Alpha	1.02	Stream Power (N/m s)	22354.76	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	95.95	57.47	265.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	69.37	21.37	133.06

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1000 Profile: 1:100 AÑOS

E.G. Elev (m)	11.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.59	Reach Len. (m)	20.27	20.00	19.71
Crit W.S. (m)	9.69	Flow Area (m2)	46.66	62.51	371.75
E.G. Slope (m/m)	0.000224	Area (m2)	46.66	62.51	371.75
Q Total (m3/s)	454.21	Flow (m3/s)	35.06	80.14	369.01
Top Width (m)	174.69	Top Width (m)	27.61	15.54	131.04
Vel Total (m/s)	1.00	Avg. Vel. (m/s)	0.72	1.26	0.99
Max Chl Dpth (m)	4.56	Hydr. Depth (m)	1.75	3.95	2.84
Conv. Total (m3/s)	32376.2	Conv. (m3/s)	2344.2	5359.0	24675.0
Length Wtd. (m)	19.79	Wetted Per. (m)	26.00	16.61	132.30
Min Ch El (m)	6.73	Shear (N/m2)	3.81	6.16	6.16
Alpha	1.05	Stream Power (N/m s)	22309.46	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	107.72	64.48	344.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	71.50	22.35	146.15

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1000 Profile: 1:50 AÑOS

E.G. Elev (m)	11.41	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.37	Reach Len. (m)	20.26	20.00	19.86
Crit W.S. (m)	9.16	Flow Area (m2)	41.00	59.66	397.95
E.G. Slope (m/m)	0.000164	Area (m2)	41.00	59.66	397.95
Q Total (m3/s)	429.64	Flow (m3/s)	24.09	62.12	343.43
Top Width (m)	175.93	Top Width (m)	25.15	16.40	137.36
Vel Total (m/s)	0.66	Avg. Vel. (m/s)	0.59	1.04	0.86
Max Chl Dpth (m)	4.64	Hydr. Depth (m)	1.63	3.64	2.90
Conv. Total (m3/s)	33563.2	Conv. (m3/s)	1693.1	4855.9	26544.2
Length Wtd. (m)	19.90	Wetted Per. (m)	25.34	17.34	136.23
Min Ch El (m)	6.73	Shear (N/m2)	2.60	5.52	4.62
Alpha	1.04	Stream Power (N/m s)	22442.09	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	95.05	59.66	310.64
C & E Loss (m)	0.01	Cum SA (1000 m2)	70.43	22.03	141.46

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1000 Profile: 1:100 AÑOS

E.G. Elev (m)	11.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.59	Reach Len. (m)	20.26	20.00	19.86
Crit W.S. (m)	9.26	Flow Area (m2)	46.66	63.29	426.40
E.G. Slope (m/m)	0.000164	Area (m2)	46.66	63.29	426.40
Q Total (m3/s)	455.64	Flow (m3/s)	29.14	66.66	365.02
Top Width (m)	180.51	Top Width (m)	26.20	16.40	137.90
Vel Total (m/s)	0.90	Avg. Vel. (m/s)	0.62	1.09	0.91
Max Chl Dpth (m)	4.67	Hydr. Depth (m)	1.76	3.66	3.11
Conv. Total (m3/s)	37903.3	Conv. (m3/s)	2273.7	5356.2	30271.4
Length Wtd. (m)	19.90	Wetted Per. (m)	26.42	17.34	136.60
Min Ch El (m)	6.73	Shear (N/m2)	2.65	5.55	4.97
Alpha	1.04	Stream Power (N/m s)	22442.09	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	106.76	63.23	336.14
C & E Loss (m)	0.01	Cum SA (1000 m2)	70.96	22.03	143.50

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1100 Profile: 1:50 AÑOS

E.G. Elev (m)	11.43	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.37	Reach Len. (m)	19.46	20.00	19.95
Crit W.S. (m)	9.66	Flow Area (m2)	65.93	61.20	305.12
E.G. Slope (m/m)	0.000252	Area (m2)	65.93	61.20	305.12
Q Total (m3/s)	426.76	Flow (m3/s)	54.30	85.30	287.16
Top Width (m)	176.16	Top Width (m)	33.67	15.19	127.33
Vel Total (m/s)	0.99	Avg. Vel. (m/s)	0.82	1.39	0.94
Max Chl Dpth (m)	4.61	Hydr. Depth (m)	1.96	4.03	2.40
Conv. Total (m3/s)	26575.4	Conv. (m3/s)	3419.3	5372.1	16084.0
Length Wtd. (m)	19.92	Wetted Per. (m)	33.97	15.66	126.69
Min Ch El (m)	6.76	Shear (N/m2)	4.60	9.53	5.66
Alpha	1.10	Stream Power (N/m s)	22996.32	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	99.96	62.25	324.60
C & E Loss (m)	0.00	Cum SA (1000 m2)	71.55	22.66	146.67

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1100 Profile: 1:100 AÑOS

E.G. Elev (m)	11.65	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.59	Reach Len. (m)	19.46	20.00	19.95
Crit W.S. (m)	9.95	Flow Area (m2)	73.43	64.56	333.35
E.G. Slope (m/m)	0.000245	Area (m2)	73.43	64.56	333.35
Q Total (m3/s)	482.56	Flow (m3/s)	63.43	91.93	327.22
Top Width (m)	177.06	Top Width (m)	34.12	15.19	127.77
Vel Total (m/s)	1.02	Avg. Vel. (m/s)	0.66	1.42	0.96
Max Chl Dpth (m)	4.64	Hydr. Depth (m)	2.15	4.25	2.61
Conv. Total (m3/s)	30629.7	Conv. (m3/s)	4052.3	5673.1	20904.3
Length Wtd. (m)	19.91	Wetted Per. (m)	34.47	15.66	129.19
Min Ch El (m)	6.76	Shear (N/m2)	5.12	9.77	6.20
Alpha	1.09	Stream Power (N/m s)	22996.32	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	105.91	65.76	351.06
C & E Loss (m)	0.00	Cum SA (1000 m2)	72.11	22.66	146.74

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1050 Profile: 1:50 AÑOS

E.G. Elev (m)	11.42	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.37	Reach Len. (m)	20.27	20.00	19.71
Crit W.S. (m)	9.46	Flow Area (m2)	42.62	59.00	342.63
E.G. Slope (m/m)	0.000227	Area (m2)	42.62	59.00	342.63
Q Total (m3/s)	426.20	Flow (m3/s)	29.09	73.37	325.74
Top Width (m)	173.16	Top Width (m)	26.74	15.64	130.60
Vel Total (m/s)	0.96	Avg. Vel. (m/s)	0.66	1.24	0.95
Max Chl Dpth (m)	4.64	Hydr. Depth (m)	1.59	3.72	2.63
Conv. Total (m3/s)	26411.2	Conv. (m3/s)	1930.2	4867.9	21613.1
Length Wtd. (m)	19.79	Wetted Per. (m)	26.92	16.61	131.61
Min Ch El (m)	6.73	Shear (N/m2)	3.53	7.62	5.79
Alpha	1.06	Stream Power (N/m s)	22309.46	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	96.90	61.05	318.14
C & E Loss (m)	0.00	Cum SA (1000 m2)	70.96	22.35	144.10

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1140 Profile: 1:100 AÑOS

E.G. Elev (m)	11.66	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.62	Reach Len. (m)	19.91	20.00	19.87
Crit W.S. (m)	9.52	Flow Area (m2)	99.76	71.30	382.93
E.G. Slope (m/m)	0.000157	Area (m2)	99.76	71.30	382.93
Q Total (m3/s)	479.32	Flow (m3/s)	72.50	75.65	331.17
Top Width (m)	186.60	Top Width (m)	42.66	17.76	125.96
Vel Total (m/s)	0.87	Avg. Vel. (m/s)	0.73	1.06	0.86
Max Chl Dpth (m)	5.00	Hydr. Depth (m)	2.33	4.01	3.04
Conv. Total (m3/s)	38294.5	Conv. (m3/s)	5791.9	6044.0	26455.6
Length Wtd. (m)	19.69	Wetted Per. (m)	43.42	19.50	126.31
Min Ch El (m)	6.62	Shear (N/m2)	3.53	5.62	4.59
Alpha	1.03	Stream Power (N/m s)	24301.75	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	112.70	66.29	364.49
C & E Loss (m)	0.00	Cum SA (1000 m2)	73.75	23.29	153.56

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1120 Profile: 1:50 AÑOS

E.G. Elev (m)	11.43	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.38	Reach Len. (m)	19.52	20.00	19.54
Crit W.S. (m)	9.75	Flow Area (m2)	95.73	55.61	297.13
E.G. Slope (m/m)	0.000234	Area (m2)	95.73	55.61	297.13
Q Total (m3/s)	425.32	Flow (m3/s)	61.20	69.42	274.70
Top Width (m)	177.62	Top Width (m)	44.26	14.65	118.52
Vel Total (m/s)	0.95	Avg. Vel. (m/s)	0.65	1.25	0.92
Max Chl Dpth (m)	4.62	Hydr. Depth (m)	2.16	3.74	2.51
Conv. Total (m3/s)	27792.5	Conv. (m3/s)	5306.1	4536.2	17950.5
Length Wtd. (m)	19.62	Wetted Per. (m)	44.64	16.11	121.77
Min Ch El (m)	6.77	Shear (N/m2)	4.92	7.93	5.60
Alpha	1.05	Stream Power (N/m s)	24231.65	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	101.54	63.42	330.49
C & E Loss (m)	0.00	Cum SA (1000 m2)	72.31	22.96	149.07

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1120 Profile: 1:100 AÑOS

E.G. Elev (m)	11.66	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.60	Reach Len. (m)	19.52	20.00	19.54
Crit W.S. (m)	9.62	Flow Area (m2)	105.56	56.69	323.36
E.G. Slope (m/m)	0.000229	Area (m2)	105.56	56.69	323.36
Q Total (m3/s)	480.95	Flow (m3/s)	93.74	75.48	311.73
Top Width (m)	175.51	Top Width (m)	44.71	14.65	118.96
Vel Total (m/s)	0.99	Avg. Vel. (m/s)	0.69	1.26	0.96
Max Chl Dpth (m)	4.54	Hydr. Depth (m)	2.36	3.97	2.72
Conv. Total (m3/s)	31805.4	Conv. (m3/s)	6199.2	4991.2	20614.9
Length Wtd. (m)	19.62	Wetted Per. (m)	45.14	16.11	122.27
Min Ch El (m)	6.77	Shear (N/m2)	5.24	6.20	5.93
Alpha	1.04	Stream Power (N/m s)	24231.65	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	110.66	66.99	357.47
C & E Loss (m)	0.00	Cum SA (1000 m2)	72.66	22.96	151.15

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1100 Profile: 1:50 AÑOS

E.G. Elev (m)	11.44	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.40	Reach Len. (m)	19.36	20.00	19.73
Crit W.S. (m)	9.46	Flow Area (m2)	76.00	114.66	334.56
E.G. Slope (m/m)	0.000153	Area (m2)	76.00	114.66	334.56
Q Total (m3/s)	422.43	Flow (m3/s)	47.44	109.35	265.64
Top Width (m)	199.23	Top Width (m)	42.07	34.30	122.87
Vel Total (m/s)	0.60	Avg. Vel. (m/s)	0.61	0.95	0.79
Max Chl Dpth (m)	4.66	Hydr. Depth (m)	1.65	3.35	2.72
Conv. Total (m3/s)	34197.1	Conv. (m3/s)	3640.4	6652.0	21504.7
Length Wtd. (m)	19.74	Wetted Per. (m)	43.45	36.24	124.96
Min Ch El (m)	6.54	Shear (N/m2)	2.69	4.74	4.01
Alpha	1.05	Stream Power (N/m s)	24053.74	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	105.02	66.47	343.77
C & E Loss (m)	0.00	Cum SA (1000 m2)	73.99	23.61	153.95

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1100 Profile: 1:100 AÑOS

E.G. Elev (m)	11.66	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.63	Reach Len. (m)	19.36	20.00	19.73
Crit W.S. (m)	9.51	Flow Area (m2)	67.36	122.47	361.69
E.G. Slope (m/m)	0.000151	Area (m2)	67.36	122.47	361.69
Q Total (m3/s)	477.69	Flow (m3/s)	56.56	120.99	300.13
Top Width (m)	200.19	Top Width (m)	42.52	34.30	123.36
Vel Total (m/s)	0.64	Avg. Vel. (m/s)	0.65	0.99	0.83
Max Chl Dpth (m)	5.06	Hydr. Depth (m)	2.06	3.57	2.93
Conv. Total (m3/s)	35991.0	Conv. (m3/s)	4605.3	9650.3	24435.4
Length Wtd. (m)	19.74	Wetted Per. (m)	43.95	36.24	125.52
Min Ch El (m)	6.54	Shear (N/m2)	2.94	5.00	4.27
Alpha	1.04	Stream Power (N/m s)	24053.74	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	114.52	70.23	371.64
C & E Loss (m)	0.00	Cum SA (1000 m2)	74.56	23.61	156.04

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1140 Profile: 1:50 AÑOS

E.G. Elev (m)	11.44	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.40	Reach Len. (m)	19.91	20.00	19.87
Crit W.S. (m)	9.43	Flow Area (m2)	90.34	67.37	355.10
E.G. Slope (m/m)	0.000157	Area (m2)	90.34	67.37	355.10
Q Total (m3/s)	423.67	Flow (m3/s)	61.95	66.66	293.06
Top Width (m)	185.65	Top Width (m)	42.41	17.76	125.46
Vel Total (m/s)	0.63	Avg. Vel. (m/s)	0.69	1.02	0.83
Max Chl Dpth (m)	4.76	Hydr. Depth (m)	2.13	3.79	2.83
Conv. Total (m3/s)	33644.2	Conv. (m3/s)	4946.2	5496.4	23399.7
Length Wtd. (m)	19.90	Wetted Per. (m)	42.92	19.50	127.76
Min Ch El (m)	6.62	Shear (N/m2)	3.24	5.31	4.26
Alpha	1.04	Stream Power (N/m s)	24301.75	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	103.39	64.65	336.96
C & E Loss (m)	0.00	Cum SA (1000 m2)	73.17	23.29	151.50

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1155 Profile: 1:100 AÑOS

E.G. Elev (m)	11.67	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.63	Reach Len. (m)	9.77	10.00	10.43
Crit W.S. (m)	9.62	Flow Area (m2)	66.14	120.63	357.31
E.G. Slope (m/m)	0.000156	Area (m2)	66.14	120.63	357.31
Q Total (m3/s)	474.42	Flow (m3/s)	36.71	139.06	296.65
Top Width (m)	194.17	Top Width (m)	39.26	26.49	126.42
Vel Total (m/s)	0.67	Avg. Vel. (m/s)	0.59	1.15	0.83
Max Chl Dpth (m)	4.93	Hydr. Depth (m)	1.66	4.23	2.83
Conv. Total (m3/s)	37966.9	Conv. (m3/s)	3099.6	11135.4	23753.6
Length Wtd. (m)	10.23	Wetted Per. (m)	39.67	29.03	126.67
Min Ch El (m)	6.70	Shear (N/m2)	2.55	6.36	4.31
Alpha	1.12	Stream Power (N/m s)	24217.05	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	116.53	74.71	382.43
C & E Loss (m)	0.00	Cum SA (1000 m2)	75.60	24.69	159.72

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1160 Profile: 1:50 AÑOS

E.G. Elev (m)	11.44	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.41	Reach Len. (m)	19.66	20.00	20.06
Crit W.S. (m)	9.32	Flow Area (m2)	50.62	167.95	308.02
E.G. Slope (m/m)	0.000126	Area (m2)	50.62	167.95	308.02
Q Total (m3/s)	420.99	Flow (m3/s)	27.96	173.29	219.74
Top Width (m)	183.70	Top Width (m)	27.24	39.91	116.55
Vel Total (m/s)	0.60	Avg. Vel. (m/s)	0.55	1.03	0.71
Max Chl Dpth (m)	4.70	Hydr. Depth (m)	1.66	4.21	2.64
Conv. Total (m3/s)	37465.9	Conv. (m3/s)	2486.4	15421.6	19555.7
Length Wtd. (m)	20.02	Wetted Per. (m)	26.27	40.74	117.16
Min Ch El (m)	6.70	Shear (N/m2)	2.22	5.10	3.25
Alpha	1.13	Stream Power (N/m s)	24266.29	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	106.26	69.30	350.22
C & E Loss (m)	0.00	Cum SA (1000 m2)	74.67	24.55	156.35

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1160 Profile: 1:100 AÑOS

E.G. Elev (m)	11.67	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.63	Reach Len. (m)	19.66	20.00	20.06
Crit W.S. (m)	9.42	Flow Area (m2)	56.71	176.79	333.66
E.G. Slope (m/m)	0.000126	Area (m2)	56.71	176.79	333.66
Q Total (m3/s)	476.05	Flow (m3/s)	33.50	180.14	252.41
Top Width (m)	184.64	Top Width (m)	27.66	39.91	117.05
Vel Total (m/s)	0.64	Avg. Vel. (m/s)	0.59	1.08	0.76
Max Chl Dpth (m)	4.92	Hydr. Depth (m)	2.03	4.43	2.85
Conv. Total (m3/s)	42056.6	Conv. (m3/s)	2959.5	16797.6	22299.5
Length Wtd. (m)	20.01	Wetted Per. (m)	26.95	40.74	117.73
Min Ch El (m)	6.70	Shear (N/m2)	2.46	5.45	3.56
Alpha	1.12	Stream Power (N/m s)	24266.29	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	115.93	73.22	378.62
C & E Loss (m)	0.00	Cum SA (1000 m2)	75.27	24.55	156.45

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1190.* Profile: 1:50 AÑOS

E.G. Elev (m)	11.40	Element	Left OB	Channel	Right OB
Vel Head (m)	0.15	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.33	Reach Len. (m)	9.77	10.00	10.43
Crit W.S. (m)	9.95	Flow Area (m2)	54.99	112.26	102.97
E.G. Slope (m/m)	0.000515	Area (m2)	54.99	112.26	102.97
Q Total (m3/s)	415.10	Flow (m3/s)	54.33	224.61	136.96
Top Width (m)	107.92	Top Width (m)	36.60	26.49	42.62
Vel Total (m/s)	1.55	Avg. Vel. (m/s)	0.99	2.00	1.35
Max Chl Dpth (m)	4.64	Hydr. Depth (m)	1.50	3.94	2.40
Conv. Total (m3/s)	16369.6	Conv. (m3/s)	2367.2	9677.2	6105.2
Length Wtd. (m)	10.16	Wetted Per. (m)	37.00	29.03	43.40
Min Ch El (m)	6.70	Shear (N/m2)	7.55	19.64	12.05
Alpha	1.21	Stream Power (N/m s)	16503.31	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	107.36	71.64	355.60
C & E Loss (m)	0.03	Cum SA (1000 m2)	75.34	25.16	156.49

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1190.* Profile: 1:100 AÑOS

E.G. Elev (m)	11.71	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.55	Reach Len. (m)	9.77	10.00	10.43
Crit W.S. (m)	10.07	Flow Area (m2)	63.11	116.41	112.27
E.G. Slope (m/m)	0.000522	Area (m2)	63.11	116.41	112.27
Q Total (m3/s)	472.79	Flow (m3/s)	66.29	246.69	159.61
Top Width (m)	110.37	Top Width (m)	36.56	26.49	43.32
Vel Total (m/s)	1.61	Avg. Vel. (m/s)	1.05	2.06	1.42
Max Chl Dpth (m)	4.65	Hydr. Depth (m)	1.64	4.16	2.59
Conv. Total (m3/s)	20692.3	Conv. (m3/s)	2901.3	10796.6	6994.4
Length Wtd. (m)	10.16	Wetted Per. (m)	36.97	29.03	43.94
Min Ch El (m)	6.70	Shear (N/m2)	6.29	20.66	13.06
Alpha	1.20	Stream Power (N/m s)	16503.31	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	117.16	75.90	364.67
C & E Loss (m)	0.03	Cum SA (1000 m2)	75.95	25.16	160.61

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1155 Profile: 1:50 AÑOS

E.G. Elev (m)	11.44	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.40	Reach Len. (m)	9.77	10.00	10.43
Crit W.S. (m)	9.53	Flow Area (m2)	57.66	114.32	329.40
E.G. Slope (m/m)	0.000156	Area (m2)	57.66	114.32	329.40
Q Total (m3/s)	419.55	Flow (m3/s)	31.90	127.21	260.43
Top Width (m)	191.26	Top Width (m)	37.26	26.49	125.53
Vel Total (m/s)	0.64	Avg. Vel. (m/s)	0.55	1.11	0.79
Max Chl Dpth (m)	4.71	Hydr. Depth (m)	1.55	4.01	2.62
Conv. Total (m3/s)	33576.9	Conv. (m3/s)	2553.4	10161.1	20642.4
Length Wtd. (m)	10.23	Wetted Per. (m)	37.65	29.03	125.95
Min Ch El (m)	6.70	Shear (N/m2)	2.34	6.03	4.00
Alpha	1.12	Stream Power (N/m s)	24217.05	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	106.61	70.71	353.54
C & E Loss (m)	0.00	Cum SA (1000 m2)	74.96	24.69	157.61

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1203 BR U Profile: 1:100 AÑOS

E.G. Elev (m)	11.52	Element	Left OB	Channel	Right OB
Vel Head (m)	0.44	Wt. n-Val.	0.025	0.030	0.025
W.S. Elev (m)	11.35	Reach Len. (m)	10.00	10.00	10.00
Crit W.S. (m)	10.50	Flow Area (m2)	31.55	70.31	60.69
E.G. Slope (m/m)	0.002245	Area (m2)	31.55	70.31	60.69
Q Total (m3/s)	471.16	Flow (m3/s)	75.51	221.75	173.57
Top Width (m)	55.35	Top Width (m)	15.23	17.53	23.30
Vel Total (m/s)	2.59	Avg. Vel. (m/s)	2.35	3.15	2.55
Max Chl Dpth (m)	4.74	Hydr. Depth (m)	2.09	3.94	2.61
Conv. Total (m3/s)	9944.4	Conv. (m3/s)	1600.0	4650.9	3653.4
Length Wtd. (m)	10.00	Wetted Per. (m)	19.27	24.91	31.12
Min Ch El (m)	6.03	Shear (N/m2)	35.41	62.14	42.93
Alpha	1.03	Stream Power (N/m s)	15512.51	0.00	0.00
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	117.57	77.71	355.02
C & E Loss (m)	0.03	Cum SA (1000 m2)	75.35	25.52	151.04

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1203 BR D Profile: 1:50 AÑOS

E.G. Elev (m)	11.53	Element	Left OB	Channel	Right OB
Vel Head (m)	0.31	Wt. n-Val.	0.025	0.030	0.025
W.S. Elev (m)	11.22	Reach Len. (m)	5.00	5.00	5.00
Crit W.S. (m)	10.12	Flow Area (m2)	29.45	103.19	40.34
E.G. Slope (m/m)	0.001535	Area (m2)	29.45	103.19	40.34
Q Total (m3/s)	415.55	Flow (m3/s)	53.49	274.50	55.56
Top Width (m)	59.50	Top Width (m)	16.25	25.99	16.25
Vel Total (m/s)	2.41	Avg. Vel. (m/s)	1.52	2.55	2.19
Max Chl Dpth (m)	4.53	Hydr. Depth (m)	1.51	3.52	2.45
Conv. Total (m3/s)	10529.5	Conv. (m3/s)	1354.5	7010.5	2254.5
Length Wtd. (m)	5.00	Wetted Per. (m)	19.95	35.47	21.12
Min Ch El (m)	5.70	Shear (N/m2)	22.25	43.54	25.75
Alpha	1.05	Stream Power (N/m s)	15503.31	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	107.70	72.70	355.37
C & E Loss (m)	0.05	Cum SA (1000 m2)	75.55	25.40	155.73

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1203 BR D Profile: 1:100 AÑOS

E.G. Elev (m)	11.77	Element	Left OB	Channel	Right OB
Vel Head (m)	0.35	Wt. n-Val.	0.025	0.030	0.025
W.S. Elev (m)	11.42	Reach Len. (m)	5.00	5.00	5.00
Crit W.S. (m)	10.25	Flow Area (m2)	32.70	105.57	43.55
E.G. Slope (m/m)	0.001515	Area (m2)	32.70	105.57	43.55
Q Total (m3/s)	471.16	Flow (m3/s)	54.45	304.57	102.03
Top Width (m)	59.50	Top Width (m)	16.25	25.99	16.25
Vel Total (m/s)	2.55	Avg. Vel. (m/s)	1.97	2.51	2.34
Max Chl Dpth (m)	4.73	Hydr. Depth (m)	2.01	4.02	2.55
Conv. Total (m3/s)	11711.5	Conv. (m3/s)	1502.3	7573.2	2535.1
Length Wtd. (m)	5.00	Wetted Per. (m)	20.35	35.55	21.52
Min Ch El (m)	5.70	Shear (N/m2)	25.51	45.05	32.14
Alpha	1.05	Stream Power (N/m s)	15503.31	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	117.55	75.51	355.50
C & E Loss (m)	0.05	Cum SA (1000 m2)	75.20	25.40	155.55

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1205 Profile: 1:50 AÑOS

E.G. Elev (m)	11.61	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.48	Reach Len. (m)	2.00	2.00	2.00
Crit W.S. (m)	10.11	Flow Area (m2)	61.56	77.21	130.60
E.G. Slope (m/m)	0.000501	Area (m2)	61.56	77.21	130.60
Q Total (m3/s)	416.66	Flow (m3/s)	67.53	152.18	176.95
Top Width (m)	116.66	Top Width (m)	46.70	19.32	52.65
Vel Total (m/s)	1.44	Avg. Vel. (m/s)	1.07	1.97	1.35
Max Chl Dpth (m)	4.65	Hydr. Depth (m)	1.75	4.00	2.47
Conv. Total (m3/s)	16616.6	Conv. (m3/s)	3910.7	6799.6	7906.3
Length Wtd. (m)	2.00	Wetted Per. (m)	47.27	19.94	53.56
Min Ch El (m)	6.63	Shear (N/m2)	6.46	19.02	12.00
Alpha	1.16	Stream Power (N/m s)	16612.61	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	106.10	73.70	357.04
C & E Loss (m)	0.03	Cum SA (1000 m2)	75.76	25.66	159.00

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1205 Profile: 1:100 AÑOS

E.G. Elev (m)	11.65	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.72	Reach Len. (m)	2.00	2.00	2.00
Crit W.S. (m)	10.23	Flow Area (m2)	92.66	61.76	143.25
E.G. Slope (m/m)	0.000464	Area (m2)	92.66	61.76	143.25
Q Total (m3/s)	471.16	Flow (m3/s)	104.96	164.54	201.66
Top Width (m)	120.01	Top Width (m)	47.66	19.32	53.02
Vel Total (m/s)	1.46	Avg. Vel. (m/s)	1.13	2.01	1.41
Max Chl Dpth (m)	5.09	Hydr. Depth (m)	1.94	4.23	2.70
Conv. Total (m3/s)	21419.0	Conv. (m3/s)	4771.4	7480.1	9167.5
Length Wtd. (m)	2.00	Wetted Per. (m)	46.26	19.94	53.55
Min Ch El (m)	6.63	Shear (N/m2)	9.11	19.46	12.62
Alpha	1.16	Stream Power (N/m s)	16612.61	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	117.99	77.66	386.22
C & E Loss (m)	0.03	Cum SA (1000 m2)	76.42	25.66	161.12

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1203 BR U Profile: 1:50 AÑOS

E.G. Elev (m)	11.56	Element	Left OB	Channel	Right OB
Vel Head (m)	0.40	Wt. n-Val.	0.028	0.030	0.028
W.S. Elev (m)	11.16	Reach Len. (m)	10.00	10.00	10.00
Crit W.S. (m)	10.35	Flow Area (m2)	26.90	66.63	56.15
E.G. Slope (m/m)	0.002156	Area (m2)	26.90	66.63	56.15
Q Total (m3/s)	416.66	Flow (m3/s)	64.05	201.92	150.69
Top Width (m)	56.26	Top Width (m)	15.23	17.63	23.21
Vel Total (m/s)	2.74	Avg. Vel. (m/s)	2.22	3.02	2.66
Max Chl Dpth (m)	4.55	Hydr. Depth (m)	1.90	3.75	2.42
Conv. Total (m3/s)	8966.6	Conv. (m3/s)	1376.6	4346.3	3243.5
Length Wtd. (m)	10.00	Wetted Per. (m)	16.66	24.52	30.51
Min Ch El (m)	6.63	Shear (N/m2)	32.40	57.69	36.94
Alpha	1.03	Stream Power (N/m s)	16612.61	0.00	0.00
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	107.99	73.55	356.55
C & E Loss (m)	0.03	Cum SA (1000 m2)	75.71	25.62	158.92

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1215 Profile: 1:100 AÑOS

E.G. Elev (m)	11.55	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.	0.030	0.025	0.030
W.S. Elev (m)	11.73	Reach Len. (m)	9.01	10.00	10.37
Crit W.S. (m)	10.22	Flow Area (m2)	93.34	82.03	146.09
E.G. Slope (m/m)	0.000470	Area (m2)	93.34	82.03	146.09
Q Total (m3/s)	467.90	Flow (m3/s)	104.65	163.16	200.06
Top Width (m)	122.24	Top Width (m)	47.72	19.32	55.20
Vel Total (m/s)	1.46	Avg. Vel. (m/s)	1.12	1.99	1.37
Max Chl Dpth (m)	5.10	Hydr. Depth (m)	1.95	4.25	2.65
Conv. Total (m3/s)	21571.2	Conv. (m3/s)	4625.9	7522.1	9223.2
Length Wtd. (m)	9.94	Wetted Per. (m)	48.32	19.94	56.04
Min Ch El (m)	6.03	Shear (N/m2)	8.91	15.98	12.03
Alpha	1.16	Stream Power (N/m s)	16522.42	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	119.67	79.50	309.22
C & E Loss (m)	0.00	Cum SA (1000 m2)	77.25	25.05	162.24

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1210.* Profile: 1:50 AÑOS

E.G. Elev (m)	11.61	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.	0.030	0.025	0.030
W.S. Elev (m)	11.49	Reach Len. (m)	9.01	10.00	10.37
Crit W.S. (m)	10.10	Flow Area (m2)	81.90	77.35	132.00
E.G. Slope (m/m)	0.000495	Area (m2)	81.90	77.35	132.00
Q Total (m3/s)	415.22	Flow (m3/s)	67.54	151.67	176.01
Top Width (m)	120.05	Top Width (m)	46.73	19.32	54.00
Vel Total (m/s)	1.43	Avg. Vel. (m/s)	1.07	1.96	1.33
Max Chl Dpth (m)	4.56	Hydr. Depth (m)	1.75	4.00	2.44
Conv. Total (m3/s)	16672.1	Conv. (m3/s)	3936.5	6520.5	7915.1
Length Wtd. (m)	9.95	Wetted Per. (m)	47.30	19.94	54.71
Min Ch El (m)	6.03	Shear (N/m2)	6.40	15.61	11.70
Alpha	1.16	Stream Power (N/m s)	17856.01	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	105.64	74.47	358.40
C & E Loss (m)	0.00	Cum SA (1000 m2)	76.20	25.85	159.55

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1210.* Profile: 1:100 AÑOS

E.G. Elev (m)	11.55	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.	0.030	0.025	0.030
W.S. Elev (m)	11.73	Reach Len. (m)	9.01	10.00	10.37
Crit W.S. (m)	10.23	Flow Area (m2)	93.01	81.90	144.73
E.G. Slope (m/m)	0.000477	Area (m2)	93.01	81.90	144.73
Q Total (m3/s)	469.53	Flow (m3/s)	104.84	163.66	200.54
Top Width (m)	121.19	Top Width (m)	47.69	19.32	54.17
Vel Total (m/s)	1.47	Avg. Vel. (m/s)	1.13	2.00	1.39
Max Chl Dpth (m)	5.09	Hydr. Depth (m)	1.95	4.24	2.67
Conv. Total (m3/s)	21497.1	Conv. (m3/s)	4799.6	7502.0	9195.3
Length Wtd. (m)	9.94	Wetted Per. (m)	48.29	19.94	55.00
Min Ch El (m)	6.03	Shear (N/m2)	9.01	19.21	12.31
Alpha	1.16	Stream Power (N/m s)	17656.01	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	118.63	76.65	367.72
C & E Loss (m)	0.00	Cum SA (1000 m2)	76.65	25.85	161.66

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1220 Profile: 1:50 AÑOS

E.G. Elev (m)	11.63	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.50	Reach Len. (m)	9.01	10.00	10.37
Crit W.S. (m)	9.99	Flow Area (m2)	66.06	62.03	123.44
E.G. Slope (m/m)	0.000504	Area (m2)	66.06	62.03	123.44
Q Total (m3/s)	412.33	Flow (m3/s)	76.25	156.66	177.40
Top Width (m)	99.70	Top Width (m)	32.56	21.56	45.56
Vel Total (m/s)	1.52	Avg. Vel. (m/s)	1.16	1.91	1.44
Max Chl Dpth (m)	4.92	Hydr. Depth (m)	2.03	3.80	2.71
Conv. Total (m3/s)	16372.3	Conv. (m3/s)	3466.7	6961.1	7904.4
Length Wtd. (m)	9.96	Wetted Per. (m)	33.16	22.30	46.37
Min Ch El (m)	6.56	Shear (N/m2)	9.64	16.17	13.15
Alpha	1.10	Stream Power (N/m s)	24027.04	10971.69	16276.46
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	110.25	76.04	361.11
C & E Loss (m)	0.00	Cum SA (1000 m2)	76.96	26.25	160.64

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1220 Profile: 1:100 AÑOS

E.G. Elev (m)	11.67	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.73	Reach Len. (m)	9.01	10.00	10.37
Crit W.S. (m)	10.11	Flow Area (m2)	73.66	67.03	134.11
E.G. Slope (m/m)	0.000503	Area (m2)	73.66	67.03	134.11
Q Total (m3/s)	466.27	Flow (m3/s)	92.74	172.80	200.73
Top Width (m)	101.15	Top Width (m)	33.06	21.56	46.51
Vel Total (m/s)	1.56	Avg. Vel. (m/s)	1.26	1.99	1.50
Max Chl Dpth (m)	5.15	Hydr. Depth (m)	2.23	4.03	2.66
Conv. Total (m3/s)	20789.7	Conv. (m3/s)	4135.0	7704.6	6950.1
Length Wtd. (m)	9.95	Wetted Per. (m)	33.73	22.30	47.34
Min Ch El (m)	6.56	Shear (N/m2)	10.76	19.25	13.97
Alpha	1.10	Stream Power (N/m s)	24027.04	10971.69	16276.46
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	120.42	80.34	390.66
C & E Loss (m)	0.00	Cum SA (1000 m2)	77.64	26.25	162.77

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1215 Profile: 1:50 AÑOS

E.G. Elev (m)	11.62	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.50	Reach Len. (m)	9.01	10.00	10.37
Crit W.S. (m)	10.10	Flow Area (m2)	62.22	77.46	133.11
E.G. Slope (m/m)	0.000466	Area (m2)	62.22	77.46	133.11
Q Total (m3/s)	413.76	Flow (m3/s)	67.51	151.14	175.13
Top Width (m)	121.12	Top Width (m)	46.76	19.32	55.03
Vel Total (m/s)	1.41	Avg. Vel. (m/s)	1.06	1.95	1.32
Max Chl Dpth (m)	4.67	Hydr. Depth (m)	1.76	4.01	2.42
Conv. Total (m3/s)	16725.6	Conv. (m3/s)	3960.2	6839.7	7925.7
Length Wtd. (m)	9.95	Wetted Per. (m)	47.33	19.94	55.76
Min Ch El (m)	6.63	Shear (N/m2)	6.32	16.61	11.43
Alpha	1.16	Stream Power (N/m s)	16522.42	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	109.56	75.24	359.76
C & E Loss (m)	0.00	Cum SA (1000 m2)	76.62	26.05	160.12

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1260 Profile: 1:100 AÑOS

E.G. Elev (m)	11.09	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.61	Reach Len. (m)	19.94	20.00	20.09
Crit W.S. (m)	10.00	Flow Area (m2)	52.64	96.19	232.79
E.G. Slope (m/m)	0.000291	Area (m2)	52.64	96.19	232.79
Q Total (m3/s)	463.01	Flow (m3/s)	50.47	150.25	262.29
Top Width (m)	129.77	Top Width (m)	23.42	23.65	62.69
Vel Total (m/s)	1.21	Avg. Vel. (m/s)	0.96	1.53	1.13
Max Chl Dpth (m)	5.12	Hydr. Depth (m)	2.25	4.15	2.62
Conv. Total (m3/s)	27136.1	Conv. (m3/s)	2956.3	6606.3	15373.4
Length Wtd. (m)	20.04	Wetted Per. (m)	24.05	24.67	63.46
Min Ch El (m)	6.66	Shear (N/m2)	6.25	11.36	7.96
Alpha	1.06	Stream Power (N/m s)	25272.72	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	123.35	63.60	396.46
C & E Loss (m)	0.00	Cum SA (1000 m2)	76.90	27.05	165.36

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1240 Profile: 1:50 AÑOS

E.G. Elev (m)	11.64	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.66	Reach Len. (m)	19.35	20.00	20.52
Crit W.S. (m)	9.65	Flow Area (m2)	77.32	75.92	166.26
E.G. Slope (m/m)	0.000302	Area (m2)	77.32	75.92	166.26
Q Total (m3/s)	410.69	Flow (m3/s)	74.09	120.92	215.68
Top Width (m)	116.43	Top Width (m)	35.76	17.52	63.15
Vel Total (m/s)	1.21	Avg. Vel. (m/s)	0.96	1.59	1.16
Max Chl Dpth (m)	4.94	Hydr. Depth (m)	2.16	4.33	2.95
Conv. Total (m3/s)	23641.7	Conv. (m3/s)	4262.6	6957.3	12421.6
Length Wtd. (m)	20.13	Wetted Per. (m)	36.35	16.47	65.63
Min Ch El (m)	6.61	Shear (N/m2)	6.30	12.17	8.36
Alpha	1.10	Stream Power (N/m s)	23662.05	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	111.63	77.62	364.29
C & E Loss (m)	0.00	Cum SA (1000 m2)	77.64	26.64	161.76

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1240 Profile: 1:100 AÑOS

E.G. Elev (m)	11.66	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.79	Reach Len. (m)	19.35	20.00	20.52
Crit W.S. (m)	9.94	Flow Area (m2)	65.76	60.04	201.13
E.G. Slope (m/m)	0.000303	Area (m2)	65.76	60.04	201.13
Q Total (m3/s)	464.64	Flow (m3/s)	67.36	132.22	245.06
Top Width (m)	116.94	Top Width (m)	36.23	17.52	63.19
Vel Total (m/s)	1.27	Avg. Vel. (m/s)	1.02	1.65	1.22
Max Chl Dpth (m)	5.16	Hydr. Depth (m)	2.37	4.57	3.16
Conv. Total (m3/s)	26701.3	Conv. (m3/s)	5020.5	7596.1	14082.7
Length Wtd. (m)	20.12	Wetted Per. (m)	36.67	16.47	66.07
Min Ch El (m)	6.61	Shear (N/m2)	6.91	12.67	9.04
Alpha	1.09	Stream Power (N/m s)	23662.05	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	121.97	62.01	394.12
C & E Loss (m)	0.01	Cum SA (1000 m2)	76.31	26.64	163.90

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1250 Profile: 1:50 AÑOS

E.G. Elev (m)	11.65	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.57	Reach Len. (m)	19.62	20.00	19.47
Crit W.S. (m)	10.08	Flow Area (m2)	16.34	111.14	201.05
E.G. Slope (m/m)	0.000360	Area (m2)	16.34	111.14	201.05
Q Total (m3/s)	408.01	Flow (m3/s)	16.16	166.46	223.36
Top Width (m)	125.63	Top Width (m)	10.55	32.32	65.76
Vel Total (m/s)	1.23	Avg. Vel. (m/s)	0.88	1.52	1.11
Max Chl Dpth (m)	4.90	Hydr. Depth (m)	1.74	3.44	2.34
Conv. Total (m3/s)	21489.5	Conv. (m3/s)	852.3	8872.7	11764.5
Length Wtd. (m)	19.68	Wetted Per. (m)	11.14	33.25	66.45
Min Ch El (m)	6.67	Shear (N/m2)	5.82	11.61	8.22
Alpha	1.09	Stream Power (N/m s)	25069.53	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	113.52	61.34	372.33
C & E Loss (m)	0.00	Cum SA (1000 m2)	78.55	27.61	164.55

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1250 Profile: 1:100 AÑOS

E.G. Elev (m)	11.90	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.61	Reach Len. (m)	19.62	20.00	19.47
Crit W.S. (m)	10.17	Flow Area (m2)	20.69	116.79	221.41
E.G. Slope (m/m)	0.000349	Area (m2)	20.69	116.79	221.41
Q Total (m3/s)	461.37	Flow (m3/s)	19.16	165.16	257.02
Top Width (m)	129.58	Top Width (m)	11.02	32.32	66.23
Vel Total (m/s)	1.26	Avg. Vel. (m/s)	0.92	1.56	1.16
Max Chl Dpth (m)	5.14	Hydr. Depth (m)	1.90	3.68	2.57
Conv. Total (m3/s)	24700.4	Conv. (m3/s)	1026.7	9913.9	13759.6
Length Wtd. (m)	19.67	Wetted Per. (m)	11.67	33.25	66.97
Min Ch El (m)	6.67	Shear (N/m2)	6.13	12.22	8.71
Alpha	1.08	Stream Power (N/m s)	25069.53	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	124.07	65.97	402.90
C & E Loss (m)	0.00	Cum SA (1000 m2)	79.24	27.61	167.01

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1250 Profile: 1:50 AÑOS

E.G. Elev (m)	11.64	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.57	Reach Len. (m)	19.94	20.00	20.09
Crit W.S. (m)	9.92	Flow Area (m2)	47.15	92.59	213.27
E.G. Slope (m/m)	0.000295	Area (m2)	47.15	92.59	213.27
Q Total (m3/s)	409.45	Flow (m3/s)	42.95	137.23	229.26
Top Width (m)	125.62	Top Width (m)	22.95	23.65	62.22
Vel Total (m/s)	1.16	Avg. Vel. (m/s)	0.91	1.48	1.08
Max Chl Dpth (m)	4.89	Hydr. Depth (m)	2.05	3.92	2.59
Conv. Total (m3/s)	23826.6	Conv. (m3/s)	2499.1	7965.4	13342.0
Length Wtd. (m)	20.04	Wetted Per. (m)	23.52	24.67	62.95
Min Ch El (m)	6.68	Shear (N/m2)	5.81	10.67	7.45
Alpha	1.09	Stream Power (N/m s)	25272.72	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	112.67	79.31	365.30
C & E Loss (m)	0.00	Cum SA (1000 m2)	78.22	27.05	163.22

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1320 Profile: 1:100 AÑOS

E.G. Elev (m)	11.92	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.61	Reach Len. (m)	19.31	20.00	20.39
Crit W.S. (m)	10.41	Flow Area (m2)	35.51	79.91	221.71
E.G. Slope (m/m)	0.000422	Area (m2)	35.51	79.91	221.71
Q Total (m3/s)	455.11	Flow (m3/s)	44.05	144.75	269.31
Top Width (m)	130.10	Top Width (m)	17.21	19.49	93.41
Vel Total (m/s)	1.35	Avg. Vel. (m/s)	1.14	1.61	1.21
Max Chl Dpth (m)	5.14	Hydr. Depth (m)	2.24	4.10	2.37
Conv. Total (m3/s)	22290.9	Conv. (m3/s)	2143.6	7043.3	13104.1
Length Wtd. (m)	20.20	Wetted Per. (m)	17.64	20.61	93.90
Min Ch El (m)	6.65	Shear (N/m2)	6.94	16.06	9.76
Alpha	1.12	Stream Power (N/m s)	23923.66	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	125.14	89.33	412.50
C & E Loss (m)	0.00	Cum SA (1000 m2)	79.76	26.46	170.63

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1300 Profile: 1:50 AÑOS

E.G. Elev (m)	11.66	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.57	Reach Len. (m)	19.15	20.00	19.80
Crit W.S. (m)	10.22	Flow Area (m2)	23.00	65.01	232.45
E.G. Slope (m/m)	0.000404	Area (m2)	23.00	65.01	232.45
Q Total (m3/s)	406.56	Flow (m3/s)	22.62	111.53	272.22
Top Width (m)	125.74	Top Width (m)	12.20	16.51	100.03
Vel Total (m/s)	1.27	Avg. Vel. (m/s)	0.99	1.72	1.17
Max Chl Dpth (m)	4.91	Hydr. Depth (m)	1.66	3.94	2.32
Conv. Total (m3/s)	20223.5	Conv. (m3/s)	1135.0	5547.7	13540.9
Length Wtd. (m)	19.64	Wetted Per. (m)	12.77	17.60	100.62
Min Ch El (m)	6.67	Shear (N/m2)	7.14	14.64	9.16
Alpha	1.11	Stream Power (N/m s)	23243.71	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	113.91	63.11	376.63
C & E Loss (m)	0.00	Cum SA (1000 m2)	76.77	26.10	166.69

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1300 Profile: 1:100 AÑOS

E.G. Elev (m)	11.91	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.61	Reach Len. (m)	19.15	20.00	19.80
Crit W.S. (m)	10.29	Flow Area (m2)	25.95	66.92	256.21
E.G. Slope (m/m)	0.000366	Area (m2)	25.95	66.92	256.21
Q Total (m3/s)	459.74	Flow (m3/s)	26.61	120.48	312.66
Top Width (m)	129.69	Top Width (m)	12.66	16.51	100.50
Vel Total (m/s)	1.31	Avg. Vel. (m/s)	1.03	1.75	1.22
Max Chl Dpth (m)	5.14	Hydr. Depth (m)	2.05	4.16	2.55
Conv. Total (m3/s)	23335.1	Conv. (m3/s)	1350.5	6115.1	15569.6
Length Wtd. (m)	19.64	Wetted Per. (m)	13.30	17.60	101.15
Min Ch El (m)	6.67	Shear (N/m2)	7.43	14.91	9.64
Alpha	1.09	Stream Power (N/m s)	23243.71	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	124.52	67.64	407.63
C & E Loss (m)	0.00	Cum SA (1000 m2)	79.47	26.10	166.66

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1340 Profile: 1:50 AÑOS

E.G. Elev (m)	11.69	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.57	Reach Len. (m)	19.71	20.00	19.46
Crit W.S. (m)	10.43	Flow Area (m2)	59.97	80.26	156.67
E.G. Slope (m/m)	0.000455	Area (m2)	59.97	80.26	156.67
Q Total (m3/s)	403.66	Flow (m3/s)	70.66	155.06	177.96
Top Width (m)	129.59	Top Width (m)	26.97	19.50	61.12
Vel Total (m/s)	1.36	Avg. Vel. (m/s)	1.15	1.93	1.14
Max Chl Dpth (m)	4.67	Hydr. Depth (m)	2.07	4.12	1.93
Conv. Total (m3/s)	16326.1	Conv. (m3/s)	3206.1	7040.0	6080.0
Length Wtd. (m)	19.69	Wetted Per. (m)	29.50	20.85	61.41
Min Ch El (m)	6.71	Shear (N/m2)	9.67	16.31	9.16
Alpha	1.21	Stream Power (N/m s)	24564.50	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	115.40	86.06	364.50
C & E Loss (m)	0.00	Cum SA (1000 m2)	79.50	26.85	170.35

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1340 Profile: 1:100 AÑOS

E.G. Elev (m)	11.93	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.61	Reach Len. (m)	19.71	20.00	19.46
Crit W.S. (m)	10.56	Flow Area (m2)	66.92	84.90	176.02
E.G. Slope (m/m)	0.000459	Area (m2)	66.92	84.90	176.02
Q Total (m3/s)	456.46	Flow (m3/s)	61.54	165.65	209.30
Top Width (m)	130.54	Top Width (m)	29.45	19.50	61.60
Vel Total (m/s)	1.39	Avg. Vel. (m/s)	1.22	1.95	1.19
Max Chl Dpth (m)	5.11	Hydr. Depth (m)	2.27	4.35	2.16
Conv. Total (m3/s)	21304.7	Conv. (m3/s)	3605.5	7731.0	9766.3
Length Wtd. (m)	19.66	Wetted Per. (m)	30.03	20.85	61.94
Min Ch El (m)	6.71	Shear (N/m2)	10.03	16.33	9.67
Alpha	1.16	Stream Power (N/m s)	24564.50	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	126.16	90.96	416.37
C & E Loss (m)	0.00	Cum SA (1000 m2)	60.22	26.85	172.54

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1320 Profile: 1:50 AÑOS

E.G. Elev (m)	11.67	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.56	Reach Len. (m)	19.31	20.00	20.39
Crit W.S. (m)	10.32	Flow Area (m2)	34.46	75.29	199.61
E.G. Slope (m/m)	0.000443	Area (m2)	34.46	75.29	199.61
Q Total (m3/s)	405.12	Flow (m3/s)	36.32	134.29	232.51
Top Width (m)	129.15	Top Width (m)	16.73	19.49	92.93
Vel Total (m/s)	1.31	Avg. Vel. (m/s)	1.11	1.76	1.16
Max Chl Dpth (m)	4.90	Hydr. Depth (m)	2.06	3.66	2.15
Conv. Total (m3/s)	19236.4	Conv. (m3/s)	1619.6	6377.3	11041.5
Length Wtd. (m)	20.19	Wetted Per. (m)	17.31	20.61	93.37
Min Ch El (m)	6.66	Shear (N/m2)	6.66	15.66	9.30
Alpha	1.14	Stream Power (N/m s)	23923.66	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	114.47	84.51	361.03
C & E Loss (m)	0.00	Cum SA (1000 m2)	79.05	26.46	166.66

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1360 Profile: 1:100 AÑOS

E.G. Elev (m)	11.95	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.54	Reach Len. (m)	16.65	20.00	20.50
Crit W.S. (m)	10.47	Flow Area (m2)	120.65	83.02	125.99
E.G. Slope (m/m)	0.000427	Area (m2)	120.65	83.02	125.99
Q Total (m3/s)	453.22	Flow (m3/s)	135.57	155.47	156.16
Top Width (m)	126.16	Top Width (m)	55.47	19.16	51.53
Vel Total (m/s)	1.37	Avg. Vel. (m/s)	1.15	1.91	1.24
Max Chl Dpth (m)	5.11	Hydr. Depth (m)	2.16	4.33	2.45
Conv. Total (m3/s)	21920.6	Conv. (m3/s)	6701.9	7664.7	7554.0
Length Wtd. (m)	19.62	Wetted Per. (m)	56.06	19.96	52.23
Min Ch El (m)	6.73	Shear (N/m2)	9.02	17.42	10.11
Alpha	1.17	Stream Power (N/m s)	24395.61	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	129.77	94.37	422.60
C & E Loss (m)	0.00	Cum SA (1000 m2)	61.63	29.64	175.26

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1360 Profile: 1:50 AÑOS

E.G. Elev (m)	11.70	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.59	Reach Len. (m)	19.66	20.00	20.20
Crit W.S. (m)	10.40	Flow Area (m2)	64.61	60.93	139.40
E.G. Slope (m/m)	0.000443	Area (m2)	64.61	60.93	139.40
Q Total (m3/s)	402.24	Flow (m3/s)	94.76	145.56	156.66
Top Width (m)	125.49	Top Width (m)	41.41	20.09	66.96
Vel Total (m/s)	1.32	Avg. Vel. (m/s)	1.12	1.64	1.14
Max Chl Dpth (m)	4.60	Hydr. Depth (m)	2.04	4.03	2.06
Conv. Total (m3/s)	19106.4	Conv. (m3/s)	4501.9	7057.7	7546.6
Length Wtd. (m)	20.02	Wetted Per. (m)	41.95	21.21	67.35
Min Ch El (m)	6.79	Shear (N/m2)	6.77	16.56	9.00
Alpha	1.16	Stream Power (N/m s)	24047.66	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	116.62	67.66	367.49
C & E Loss (m)	0.00	Cum SA (1000 m2)	60.19	29.25	171.65

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1360 Profile: 1:100 AÑOS

E.G. Elev (m)	11.94	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.53	Reach Len. (m)	19.66	20.00	20.20
Crit W.S. (m)	10.49	Flow Area (m2)	94.44	65.66	155.27
E.G. Slope (m/m)	0.000423	Area (m2)	94.44	65.66	155.27
Q Total (m3/s)	454.65	Flow (m3/s)	110.33	159.66	164.66
Top Width (m)	129.44	Top Width (m)	41.69	20.09	67.46
Vel Total (m/s)	1.36	Avg. Vel. (m/s)	1.17	1.66	1.19
Max Chl Dpth (m)	5.04	Hydr. Depth (m)	2.25	4.26	2.30
Conv. Total (m3/s)	22106.1	Conv. (m3/s)	5362.5	7760.5	8965.1
Length Wtd. (m)	20.02	Wetted Per. (m)	42.46	21.21	67.66
Min Ch El (m)	6.79	Shear (N/m2)	9.23	16.77	9.49
Alpha	1.16	Stream Power (N/m s)	24047.66	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	127.77	92.66	419.72
C & E Loss (m)	0.00	Cum SA (1000 m2)	60.92	29.25	174.04

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1400 Profile: 1:50 AÑOS

E.G. Elev (m)	11.72	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.63	Reach Len. (m)	16.75	20.00	19.14
Crit W.S. (m)	9.75	Flow Area (m2)	93.24	156.94	84.13
E.G. Slope (m/m)	0.000259	Area (m2)	93.24	156.94	84.13
Q Total (m3/s)	399.35	Flow (m3/s)	79.05	231.67	88.64
Top Width (m)	120.60	Top Width (m)	50.00	39.30	31.30
Vel Total (m/s)	1.19	Avg. Vel. (m/s)	0.85	1.48	1.05
Max Chl Dpth (m)	4.90	Hydr. Depth (m)	1.86	3.99	2.69
Conv. Total (m3/s)	23456.8	Conv. (m3/s)	4645.9	13625.0	5212.9
Length Wtd. (m)	15.97	Wetted Per. (m)	50.97	41.41	33.19
Min Ch El (m)	6.73	Shear (N/m2)	5.19	10.75	7.19
Alpha	1.16	Stream Power (N/m s)	26265.46	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	120.30	81.62	381.96
C & E Loss (m)	0.00	Cum SA (1000 m2)	61.97	30.22	173.55

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1400 Profile: 1:100 AÑOS

E.G. Elev (m)	11.96	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.87	Reach Len. (m)	16.75	20.00	19.14
Crit W.S. (m)	9.95	Flow Area (m2)	104.93	166.08	91.46
E.G. Slope (m/m)	0.000290	Area (m2)	104.93	166.08	91.46
Q Total (m3/s)	451.59	Flow (m3/s)	95.72	254.93	100.94
Top Width (m)	121.55	Top Width (m)	50.47	39.30	31.76
Vel Total (m/s)	1.25	Avg. Vel. (m/s)	0.91	1.53	1.10
Max Chl Dpth (m)	5.13	Hydr. Depth (m)	2.08	4.23	2.88
Conv. Total (m3/s)	26524.2	Conv. (m3/s)	5621.9	14973.4	5926.9
Length Wtd. (m)	15.92	Wetted Per. (m)	51.49	41.41	33.73
Min Ch El (m)	6.73	Shear (N/m2)	5.79	11.40	7.71
Alpha	1.15	Stream Power (N/m s)	26265.46	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	131.66	96.86	424.66
C & E Loss (m)	0.00	Cum SA (1000 m2)	62.72	30.22	176.06

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1300 Profile: 1:50 AÑOS

E.G. Elev (m)	11.71	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.60	Reach Len. (m)	16.65	20.00	20.50
Crit W.S. (m)	10.39	Flow Area (m2)	107.65	76.51	113.92
E.G. Slope (m/m)	0.000445	Area (m2)	107.65	76.51	113.92
Q Total (m3/s)	400.79	Flow (m3/s)	117.70	147.38	135.72
Top Width (m)	125.20	Top Width (m)	55.00	19.16	51.04
Vel Total (m/s)	1.34	Avg. Vel. (m/s)	1.09	1.88	1.19
Max Chl Dpth (m)	4.67	Hydr. Depth (m)	1.96	4.10	2.23
Conv. Total (m3/s)	18991.7	Conv. (m3/s)	3577.1	6963.5	6431.1
Length Wtd. (m)	19.63	Wetted Per. (m)	55.56	19.98	51.69
Min Ch El (m)	6.73	Shear (N/m2)	8.46	17.17	9.63
Alpha	1.19	Stream Power (N/m s)	24396.61	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	116.61	89.27	390.09
C & E Loss (m)	0.00	Cum SA (1000 m2)	61.09	29.64	173.06

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1440 Profile: 1:100 AÑOS

E.G. Elev (m)	11.90	Element	Left OB	Channel	Right OB
Vel Head (m)	0.00	Wt. n-Val.	0.030	0.020	0.030
W.S. Elev (m)	11.90	Reach Len. (m)	19.60	20.00	20.26
Crit W.S. (m)	9.91	Flow Area (m2)	59.11	93.79	215.05
E.G. Slope (m/m)	0.000307	Area (m2)	59.11	93.79	215.05
Q Total (m3/s)	445.33	Flow (m3/s)	51.44	120.06	268.83
Top Width (m)	126.56	Top Width (m)	32.11	27.49	66.97
Vel Total (m/s)	1.22	Avg. Vel. (m/s)	0.87	1.37	1.25
Max Chl Dpth (m)	5.26	Hydr. Depth (m)	1.64	3.41	3.21
Conv. Total (m3/s)	25605.9	Conv. (m3/s)	2937.6	7314.2	15354.0
Length Wtd. (m)	20.10	Wetted Per. (m)	32.46	29.06	66.61
Min Ch El (m)	6.97	Shear (N/m2)	5.47	9.70	9.42
Alpha	1.05	Stream Power (N/m s)	24953.51	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	134.74	100.99	431.63
C & E Loss (m)	0.00	Cum SA (1000 m2)	64.27	31.31	176.41

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1420 Profile: 1:50 AÑOS

E.G. Elev (m)	11.73	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.	0.030	0.020	0.030
W.S. Elev (m)	11.63	Reach Len. (m)	19.62	20.00	21.63
Crit W.S. (m)	10.16	Flow Area (m2)	65.74	71.53	165.69
E.G. Slope (m/m)	0.000442	Area (m2)	65.74	71.53	165.69
Q Total (m3/s)	397.91	Flow (m3/s)	66.51	114.02	217.36
Top Width (m)	121.66	Top Width (m)	37.49	21.14	63.05
Vel Total (m/s)	1.31	Avg. Vel. (m/s)	1.01	1.59	1.31
Max Chl Dpth (m)	4.96	Hydr. Depth (m)	1.75	3.36	2.63
Conv. Total (m3/s)	16934.6	Conv. (m3/s)	3164.9	5425.6	10343.9
Length Wtd. (m)	20.56	Wetted Per. (m)	37.87	23.11	64.64
Min Ch El (m)	6.69	Shear (N/m2)	7.52	13.40	11.10
Alpha	1.07	Stream Power (N/m s)	24661.95	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	121.66	93.91	364.66
C & E Loss (m)	0.00	Cum SA (1000 m2)	62.63	30.63	174.87

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1420 Profile: 1:100 AÑOS

E.G. Elev (m)	11.97	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.	0.030	0.020	0.030
W.S. Elev (m)	11.67	Reach Len. (m)	19.62	20.00	21.63
Crit W.S. (m)	10.26	Flow Area (m2)	74.53	76.45	160.43
E.G. Slope (m/m)	0.000427	Area (m2)	74.53	76.45	160.43
Q Total (m3/s)	449.96	Flow (m3/s)	79.76	125.22	244.96
Top Width (m)	122.60	Top Width (m)	35.02	21.14	63.52
Vel Total (m/s)	1.36	Avg. Vel. (m/s)	1.07	1.64	1.36
Max Chl Dpth (m)	5.19	Hydr. Depth (m)	1.96	3.62	2.84
Conv. Total (m3/s)	21763.6	Conv. (m3/s)	3662.6	6062.4	11655.6
Length Wtd. (m)	20.55	Wetted Per. (m)	36.45	23.11	65.17
Min Ch El (m)	6.69	Shear (N/m2)	6.11	13.64	11.56
Alpha	1.06	Stream Power (N/m s)	24661.95	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	133.42	99.29	427.62
C & E Loss (m)	0.00	Cum SA (1000 m2)	63.56	30.63	177.09

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1460 Profile: 1:50 AÑOS

E.G. Elev (m)	11.75	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.66	Reach Len. (m)	17.71	20.00	19.69
Crit W.S. (m)	10.07	Flow Area (m2)	53.34	99.25	109.00
E.G. Slope (m/m)	0.000376	Area (m2)	53.34	99.25	109.00
Q Total (m3/s)	395.02	Flow (m3/s)	46.13	144.67	204.02
Top Width (m)	129.44	Top Width (m)	34.17	30.94	64.34
Vel Total (m/s)	1.23	Avg. Vel. (m/s)	0.86	1.46	1.21
Max Chl Dpth (m)	4.72	Hydr. Depth (m)	1.56	3.21	2.63
Conv. Total (m3/s)	20371.1	Conv. (m3/s)	2376.6	7471.1	10521.3
Length Wtd. (m)	19.57	Wetted Per. (m)	34.46	32.44	66.21
Min Ch El (m)	6.94	Shear (N/m2)	5.71	11.26	9.41
Alpha	1.07	Stream Power (N/m s)	20235.39	9575.56	16213.37
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	123.94	97.36	402.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	64.09	31.90	177.47

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1460 Profile: 1:100 AÑOS

E.G. Elev (m)	11.96	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.90	Reach Len. (m)	17.71	20.00	19.69
Crit W.S. (m)	10.20	Flow Area (m2)	61.36	106.46	164.05
E.G. Slope (m/m)	0.000363	Area (m2)	61.36	106.46	164.05
Q Total (m3/s)	446.69	Flow (m3/s)	56.66	160.06	229.96
Top Width (m)	130.42	Top Width (m)	34.67	30.94	64.61
Vel Total (m/s)	1.27	Avg. Vel. (m/s)	0.92	1.50	1.25
Max Chl Dpth (m)	4.96	Hydr. Depth (m)	1.77	3.44	2.64
Conv. Total (m3/s)	23435.2	Conv. (m3/s)	2972.4	8397.4	12065.4
Length Wtd. (m)	19.55	Wetted Per. (m)	35.02	32.44	66.74
Min Ch El (m)	6.94	Shear (N/m2)	6.24	11.69	9.63
Alpha	1.07	Stream Power (N/m s)	20235.39	9575.56	16213.37
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	135.61	102.99	435.56
C & E Loss (m)	0.00	Cum SA (1000 m2)	64.67	31.90	179.71

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1440 Profile: 1:50 AÑOS

E.G. Elev (m)	11.74	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.66	Reach Len. (m)	19.66	20.00	20.26
Crit W.S. (m)	9.76	Flow Area (m2)	51.70	87.39	199.52
E.G. Slope (m/m)	0.000311	Area (m2)	51.70	87.39	199.52
Q Total (m3/s)	396.47	Flow (m3/s)	41.90	114.57	240.00
Top Width (m)	125.57	Top Width (m)	31.58	27.49	66.50
Vel Total (m/s)	1.17	Avg. Vel. (m/s)	0.81	1.31	1.20
Max Chl Dpth (m)	5.05	Hydr. Depth (m)	1.64	3.16	3.00
Conv. Total (m3/s)	22489.6	Conv. (m3/s)	2377.9	6501.6	13619.9
Length Wtd. (m)	20.11	Wetted Per. (m)	31.69	29.06	66.06
Min Ch El (m)	6.97	Shear (N/m2)	4.94	9.16	8.92
Alpha	1.05	Stream Power (N/m s)	24953.51	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	123.01	95.50	396.36
C & E Loss (m)	0.00	Cum SA (1000 m2)	63.51	31.31	176.16

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1520 Profile: 1:100 AÑOS

E.G. Elev (m)	12.00	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.94	Reach Len. (m)	6.94	40.00	6.77
Crit W.S. (m)	9.59	Flow Area (m2)	40.16	236.09	157.29
E.G. Slope (m/m)	0.000175	Area (m2)	40.16	236.09	157.29
Q Total (m3/s)	443.43	Flow (m3/s)	25.24	293.38	124.81
Top Width (m)	141.16	Top Width (m)	23.16	53.93	64.06
Vel Total (m/s)	1.02	Avg. Vel. (m/s)	0.63	1.24	0.79
Max Chl Dpth (m)	4.96	Hydr. Depth (m)	1.73	4.36	2.45
Conv. Total (m3/s)	33493.6	Conv. (m3/s)	1906.6	22159.6	9427.0
Length Wtd. (m)	26.26	Wetted Per. (m)	23.63	55.41	65.24
Min Ch El (m)	6.95	Shear (N/m2)	2.92	7.32	4.14
Alpha	1.17	Stream Power (N/m s)	25067.67	6616.02	16162.72
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	136.12	115.29	440.22
C & E Loss (m)	0.00	Cum SA (1000 m2)	66.16	34.66	161.66

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1460 Profile: 1:50 AÑOS

E.G. Elev (m)	11.75	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.69	Reach Len. (m)	39.39	20.00	20.03
Crit W.S. (m)	9.33	Flow Area (m2)	36.09	206.03	154.66
E.G. Slope (m/m)	0.000171	Area (m2)	36.09	206.03	154.66
Q Total (m3/s)	393.56	Flow (m3/s)	20.98	255.70	116.90
Top Width (m)	136.40	Top Width (m)	23.03	46.56	66.50
Vel Total (m/s)	0.99	Avg. Vel. (m/s)	0.56	1.24	0.75
Max Chl Dpth (m)	4.74	Hydr. Depth (m)	1.57	4.42	2.32
Conv. Total (m3/s)	30055.9	Conv. (m3/s)	1601.9	19526.9	6927.2
Length Wtd. (m)	21.66	Wetted Per. (m)	23.49	47.66	66.09
Min Ch El (m)	6.95	Shear (N/m2)	2.56	7.27	3.62
Alpha	1.21	Stream Power (N/m s)	21373.69	6616.02	16039.06
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	125.71	100.42	405.25
C & E Loss (m)	0.00	Cum SA (1000 m2)	65.22	32.67	176.76

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1460 Profile: 1:100 AÑOS

E.G. Elev (m)	11.99	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.93	Reach Len. (m)	39.39	20.00	20.03
Crit W.S. (m)	9.52	Flow Area (m2)	41.53	216.90	170.49
E.G. Slope (m/m)	0.000175	Area (m2)	41.53	216.90	170.49
Q Total (m3/s)	445.06	Flow (m3/s)	26.26	281.04	137.74
Top Width (m)	137.45	Top Width (m)	23.60	46.56	67.27
Vel Total (m/s)	1.04	Avg. Vel. (m/s)	0.63	1.30	0.81
Max Chl Dpth (m)	4.96	Hydr. Depth (m)	1.76	4.66	2.53
Conv. Total (m3/s)	33667.7	Conv. (m3/s)	1986.9	21272.7	10426.1
Length Wtd. (m)	21.62	Wetted Per. (m)	24.12	47.66	66.61
Min Ch El (m)	6.95	Shear (N/m2)	2.95	7.79	4.25
Alpha	1.19	Stream Power (N/m s)	21373.69	6616.02	16039.06
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	137.63	106.23	439.11
C & E Loss (m)	0.00	Cum SA (1000 m2)	66.01	32.67	161.03

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1540 Profile: 1:50 AÑOS

E.G. Elev (m)	11.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.56	Reach Len. (m)	19.69	20.00	56.11
Crit W.S. (m)	10.60	Flow Area (m2)	23.50	69.17	96.26
E.G. Slope (m/m)	0.001030	Area (m2)	23.50	69.17	96.26
Q Total (m3/s)	390.70	Flow (m3/s)	32.39	196.26	160.05
Top Width (m)	63.90	Top Width (m)	15.45	16.69	51.75
Vel Total (m/s)	2.05	Avg. Vel. (m/s)	1.36	2.67	1.63
Max Chl Dpth (m)	4.53	Hydr. Depth (m)	1.52	4.14	1.90
Conv. Total (m3/s)	12171.4	Conv. (m3/s)	1009.2	6176.3	4965.9
Length Wtd. (m)	32.24	Wetted Per. (m)	16.07	17.49	52.32
Min Ch El (m)	7.03	Shear (N/m2)	14.77	39.95	18.96
Alpha	1.29	Stream Power (N/m s)	25253.71	6616.02	13693.07
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	126.53	111.93	413.01
C & E Loss (m)	0.07	Cum SA (1000 m2)	65.75	35.39	162.46

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1540 Profile: 1:100 AÑOS

E.G. Elev (m)	12.06	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.79	Reach Len. (m)	19.69	20.00	56.11
Crit W.S. (m)	10.93	Flow Area (m2)	27.14	73.04	110.33
E.G. Slope (m/m)	0.000992	Area (m2)	27.14	73.04	110.33
Q Total (m3/s)	441.60	Flow (m3/s)	39.56	213.06	169.16
Top Width (m)	64.66	Top Width (m)	15.92	16.69	52.25
Vel Total (m/s)	2.10	Avg. Vel. (m/s)	1.46	2.92	1.71
Max Chl Dpth (m)	4.76	Hydr. Depth (m)	1.70	4.36	2.11
Conv. Total (m3/s)	14024.9	Conv. (m3/s)	1295.9	6763.4	6005.6
Length Wtd. (m)	32.76	Wetted Per. (m)	16.60	17.49	52.67
Min Ch El (m)	7.03	Shear (N/m2)	15.92	40.63	20.31
Alpha	1.26	Stream Power (N/m s)	25253.71	6616.02	13693.07
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	136.76	116.36	447.72
C & E Loss (m)	0.07	Cum SA (1000 m2)	66.56	35.39	164.74

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1520 Profile: 1:50 AÑOS

E.G. Elev (m)	11.76	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.70	Reach Len. (m)	6.94	40.00	6.77
Crit W.S. (m)	9.41	Flow Area (m2)	34.62	223.50	142.36
E.G. Slope (m/m)	0.000173	Area (m2)	34.62	223.50	142.36
Q Total (m3/s)	392.14	Flow (m3/s)	20.15	266.29	105.70
Top Width (m)	140.13	Top Width (m)	22.60	53.93	63.61
Vel Total (m/s)	0.96	Avg. Vel. (m/s)	0.56	1.19	0.74
Max Chl Dpth (m)	4.75	Hydr. Depth (m)	1.54	4.14	2.24
Conv. Total (m3/s)	29763.0	Conv. (m3/s)	1530.1	20224.6	6028.1
Length Wtd. (m)	26.65	Wetted Per. (m)	23.00	55.41	64.71
Min Ch El (m)	6.95	Shear (N/m2)	2.57	6.66	3.74
Alpha	1.16	Stream Power (N/m s)	25067.67	6616.02	16162.72
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	125.95	109.01	406.26
C & E Loss (m)	0.00	Cum SA (1000 m2)	65.36	34.66	179.22

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1500 Profile: 1:100 AÑOS

E.G. Elev (m)	12.16	Element	Left OB	Channel	Right OB
Vel Head (m)	0.36	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.76	Reach Len. (m)	20.96	20.00	19.63
Crit W.S. (m)	11.14	Flow Area (m2)	19.74	74.27	63.44
E.G. Slope (m/m)	0.001519	Area (m2)	19.74	74.27	63.44
Q Total (m3/s)	435.54	Flow (m3/s)	34.39	242.00	162.15
Top Width (m)	77.06	Top Width (m)	12.16	19.77	45.15
Vel Total (m/s)	2.47	Avg. Vel. (m/s)	1.74	3.26	1.94
Max Chl Dpth (m)	4.39	Hydr. Depth (m)	1.62	3.76	1.85
Conv. Total (m3/s)	11253.0	Conv. (m3/s)	662.5	6209.7	4160.6
Length Wtd. (m)	19.93	Wetted Per. (m)	12.71	20.73	45.60
Min Ch El (m)	7.39	Shear (N/m2)	23.14	53.35	27.25
Alpha	1.23	Stream Power (N/m s)	24715.61	6616.02	13405.60
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	139.73	121.16	451.60
C & E Loss (m)	0.01	Cum SA (1000 m2)	67.13	36.07	166.66

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1500 Profile: 1:50 AÑOS

E.G. Elev (m)	11.66	Element	Left OB	Channel	Right OB
Vel Head (m)	0.34	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.54	Reach Len. (m)	19.69	20.00	19.54
Crit W.S. (m)	10.95	Flow Area (m2)	20.24	61.63	67.70
E.G. Slope (m/m)	0.001416	Area (m2)	20.24	61.63	67.70
Q Total (m3/s)	399.26	Flow (m3/s)	32.51	196.56	160.16
Top Width (m)	75.71	Top Width (m)	13.44	15.66	49.41
Vel Total (m/s)	2.30	Avg. Vel. (m/s)	1.61	3.19	1.83
Max Chl Dpth (m)	4.35	Hydr. Depth (m)	1.51	3.69	1.77
Conv. Total (m3/s)	10344.2	Conv. (m3/s)	663.9	5224.0	4256.3
Length Wtd. (m)	19.92	Wetted Per. (m)	13.97	16.66	49.91
Min Ch El (m)	7.19	Shear (N/m2)	20.12	50.77	24.40
Alpha	1.26	Stream Power (N/m s)	25452.46	6616.02	13116.54
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	126.96	113.24	414.66
C & E Loss (m)	0.02	Cum SA (1000 m2)	66.04	35.72	163.46

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1500 Profile: 1:100 AÑOS

E.G. Elev (m)	12.12	Element	Left OB	Channel	Right OB
Vel Head (m)	0.35	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.77	Reach Len. (m)	19.69	20.00	19.54
Crit W.S. (m)	11.06	Flow Area (m2)	23.42	65.32	99.24
E.G. Slope (m/m)	0.001340	Area (m2)	23.42	65.32	99.24
Q Total (m3/s)	440.17	Flow (m3/s)	39.36	210.67	190.14
Top Width (m)	79.65	Top Width (m)	13.91	15.66	49.66
Vel Total (m/s)	2.34	Avg. Vel. (m/s)	1.66	3.23	1.92
Max Chl Dpth (m)	4.56	Hydr. Depth (m)	1.66	4.12	1.99
Conv. Total (m3/s)	12024.6	Conv. (m3/s)	1075.2	5755.3	5194.3
Length Wtd. (m)	19.92	Wetted Per. (m)	14.49	16.66	50.44
Min Ch El (m)	7.19	Shear (N/m2)	21.24	50.92	25.55
Alpha	1.24	Stream Power (N/m s)	25452.46	6616.02	13116.54
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	139.28	119.76	449.60
C & E Loss (m)	0.02	Cum SA (1000 m2)	66.66	35.72	165.75

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1600 Profile: 1:50 AÑOS

E.G. Elev (m)	11.96	Element	Left OB	Channel	Right OB
Vel Head (m)	0.32	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.64	Reach Len. (m)	21.29	20.00	19.06
Crit W.S. (m)	11.02	Flow Area (m2)	9.56	79.91	63.33
E.G. Slope (m/m)	0.001352	Area (m2)	9.56	79.91	63.33
Q Total (m3/s)	366.37	Flow (m3/s)	13.16	233.90	139.30
Top Width (m)	62.66	Top Width (m)	7.56	23.40	51.91
Vel Total (m/s)	2.24	Avg. Vel. (m/s)	1.36	2.93	1.67
Max Chl Dpth (m)	4.16	Hydr. Depth (m)	1.26	3.41	1.61
Conv. Total (m3/s)	10507.2	Conv. (m3/s)	356.3	6366.7	3784.2
Length Wtd. (m)	19.74	Wetted Per. (m)	6.02	24.01	52.31
Min Ch El (m)	7.46	Shear (N/m2)	15.61	44.12	21.12
Alpha	1.25	Stream Power (N/m s)	25409.32	6616.02	13070.66
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	127.63	116.05	417.93
C & E Loss (m)	0.01	Cum SA (1000 m2)	66.51	36.50	165.31

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1600 Profile: 1:100 AÑOS

E.G. Elev (m)	12.19	Element	Left OB	Channel	Right OB
Vel Head (m)	0.32	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.67	Reach Len. (m)	21.29	20.00	19.06
Crit W.S. (m)	11.14	Flow Area (m2)	11.35	65.26	95.29
E.G. Slope (m/m)	0.001271	Area (m2)	11.35	65.26	95.29
Q Total (m3/s)	436.91	Flow (m3/s)	16.32	252.77	167.62
Top Width (m)	63.60	Top Width (m)	6.02	23.40	52.36
Vel Total (m/s)	2.26	Avg. Vel. (m/s)	1.44	2.96	1.76
Max Chl Dpth (m)	4.39	Hydr. Depth (m)	1.41	3.64	1.62
Conv. Total (m3/s)	12253.4	Conv. (m3/s)	457.6	7069.1	4706.6
Length Wtd. (m)	19.73	Wetted Per. (m)	6.53	24.01	52.64
Min Ch El (m)	7.46	Shear (N/m2)	16.56	44.27	22.49
Alpha	1.23	Stream Power (N/m s)	25409.32	6616.02	13070.66
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	140.06	122.75	453.30
C & E Loss (m)	0.01	Cum SA (1000 m2)	67.35	36.50	167.62

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1500 Profile: 1:50 AÑOS

E.G. Elev (m)	11.92	Element	Left OB	Channel	Right OB
Vel Head (m)	0.36	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.54	Reach Len. (m)	20.96	20.00	19.63
Crit W.S. (m)	11.01	Flow Area (m2)	16.99	69.71	73.09
E.G. Slope (m/m)	0.001612	Area (m2)	16.99	69.71	73.09
Q Total (m3/s)	367.61	Flow (m3/s)	26.39	224.39	135.03
Top Width (m)	76.15	Top Width (m)	11.69	19.77	44.66
Vel Total (m/s)	2.43	Avg. Vel. (m/s)	1.67	3.22	1.66
Max Chl Dpth (m)	4.16	Hydr. Depth (m)	1.45	3.53	1.64
Conv. Total (m3/s)	9657.9	Conv. (m3/s)	707.0	5566.2	3362.7
Length Wtd. (m)	19.93	Wetted Per. (m)	12.16	20.73	45.06
Min Ch El (m)	7.39	Shear (N/m2)	22.05	53.17	25.64
Alpha	1.25	Stream Power (N/m s)	24715.61	6616.02	13405.60
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	127.35	114.56	416.43
C & E Loss (m)	0.01	Cum SA (1000 m2)	66.30	36.07	164.39

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1640 Profile: 1:100 AÑOS

E.G. Elev (m)	12.24	Element	Left OB	Channel	Right OB
Vel Head (m)	0.31	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.93	Reach Len. (m)	19.38	20.00	19.88
Crit W.S. (m)	11.03	Flow Area (m2)	38.02	87.92	66.10
E.G. Slope (m/m)	0.001137	Area (m2)	38.02	87.92	66.10
Q Total (m3/s)	433.65	Flow (m3/s)	66.95	255.27	111.43
Top Width (m)	77.04	Top Width (m)	18.90	22.85	35.30
Vel Total (m/s)	2.26	Avg. Vel. (m/s)	1.76	2.80	1.69
Max Chl Dpth (m)	4.60	Hydr. Depth (m)	2.01	3.85	1.87
Conv. Total (m3/s)	12859.8	Conv. (m3/s)	1985.3	7569.9	3304.6
Length Wtd. (m)	19.91	Wetted Per. (m)	19.39	23.49	35.99
Min Ch El (m)	7.32	Shear (N/m2)	21.87	41.74	20.48
Alpha	1.21	Stream Power (N/m s)	25144.30	8618.02	12831.27
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	140.74	126.26	456.56
C & E Loss (m)	0.00	Cum SA (1000 m2)	67.75	37.43	189.39

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1620 Profile: 1:50 AÑOS

E.G. Elev (m)	11.86	Element	Left OB	Channel	Right OB
Vel Head (m)	0.33	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.66	Reach Len. (m)	18.26	20.00	18.62
Crit W.S. (m)	11.00	Flow Area (m2)	9.23	83.50	77.96
E.G. Slope (m/m)	0.001291	Area (m2)	9.23	83.50	77.96
Q Total (m3/s)	384.93	Flow (m3/s)	12.16	244.93	127.64
Top Width (m)	79.07	Top Width (m)	7.48	23.38	48.20
Vel Total (m/s)	2.25	Avg. Vel. (m/s)	1.32	2.93	1.64
Max Chl Dpth (m)	4.23	Hydr. Depth (m)	1.23	3.57	1.62
Conv. Total (m3/s)	10712.8	Conv. (m3/s)	336.3	6816.7	3557.9
Length Wtd. (m)	19.46	Wetted Per. (m)	8.01	24.16	48.70
Min Ch El (m)	7.42	Shear (N/m2)	14.59	43.76	20.27
Alpha	1.26	Stream Power (N/m s)	25134.78	8618.02	12927.03
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	127.61	117.69	419.43
C & E Loss (m)	0.00	Cum SA (1000 m2)	66.64	36.97	166.24

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1620 Profile: 1:100 AÑOS

E.G. Elev (m)	12.22	Element	Left OB	Channel	Right OB
Vel Head (m)	0.34	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.66	Reach Len. (m)	18.26	20.00	18.62
Crit W.S. (m)	11.13	Flow Area (m2)	10.97	86.77	88.89
E.G. Slope (m/m)	0.001237	Area (m2)	10.97	86.77	88.89
Q Total (m3/s)	435.28	Flow (m3/s)	15.22	265.48	154.57
Top Width (m)	79.96	Top Width (m)	7.93	23.38	48.66
Vel Total (m/s)	2.31	Avg. Vel. (m/s)	1.39	2.99	1.74
Max Chl Dpth (m)	4.46	Hydr. Depth (m)	1.38	3.80	1.83
Conv. Total (m3/s)	12375.9	Conv. (m3/s)	432.9	7546.3	4394.7
Length Wtd. (m)	19.43	Wetted Per. (m)	8.51	24.16	49.21
Min Ch El (m)	7.42	Shear (N/m2)	15.63	44.57	21.91
Alpha	1.24	Stream Power (N/m s)	25134.78	8618.02	12927.03
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	140.27	124.49	455.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	67.49	36.97	166.56

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1660 Profile: 1:50 AÑOS

E.G. Elev (m)	12.04	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.55	Reach Len. (m)	21.67	20.00	16.27
Crit W.S. (m)	10.47	Flow Area (m2)	72.11	110.65	61.47
E.G. Slope (m/m)	0.000539	Area (m2)	72.11	110.65	61.47
Q Total (m3/s)	362.04	Flow (m3/s)	92.15	226.31	63.56
Top Width (m)	100.24	Top Width (m)	33.62	27.06	39.54
Vel Total (m/s)	1.56	Avg. Vel. (m/s)	1.26	2.04	1.03
Max Chl Dpth (m)	4.65	Hydr. Depth (m)	2.14	4.09	1.55
Conv. Total (m3/s)	16456.5	Conv. (m3/s)	3969.6	9749.4	2739.2
Length Wtd. (m)	19.60	Wetted Per. (m)	33.97	26.57	39.76
Min Ch El (m)	7.23	Shear (N/m2)	11.22	20.47	6.17
Alpha	1.25	Stream Power (N/m s)	25249.30	6616.02	14923.54
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	129.36	121.29	421.76
C & E Loss (m)	0.01	Cum SA (1000 m2)	67.46	37.93	167.67

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1660 Profile: 1:100 AÑOS

E.G. Elev (m)	12.27	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	12.11	Reach Len. (m)	21.67	20.00	16.27
Crit W.S. (m)	10.62	Flow Area (m2)	79.66	116.74	70.56
E.G. Slope (m/m)	0.000538	Area (m2)	79.66	116.74	70.56
Q Total (m3/s)	432.01	Flow (m3/s)	107.70	247.14	77.16
Top Width (m)	102.64	Top Width (m)	34.06	27.06	41.69
Vel Total (m/s)	1.62	Avg. Vel. (m/s)	1.35	2.12	1.09
Max Chl Dpth (m)	4.66	Hydr. Depth (m)	2.34	4.31	1.69
Conv. Total (m3/s)	16625.6	Conv. (m3/s)	4643.1	10655.2	3327.3
Length Wtd. (m)	19.57	Wetted Per. (m)	34.47	26.57	41.94
Min Ch El (m)	7.23	Shear (N/m2)	12.20	21.55	6.66
Alpha	1.23	Stream Power (N/m s)	25249.30	6616.02	14923.54
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	142.03	126.31	457.67
C & E Loss (m)	0.01	Cum SA (1000 m2)	66.33	37.93	190.02

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1640 Profile: 1:50 AÑOS

E.G. Elev (m)	12.01	Element	Left OB	Channel	Right OB
Vel Head (m)	0.30	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.71	Reach Len. (m)	19.36	20.00	19.66
Crit W.S. (m)	10.69	Flow Area (m2)	33.95	62.95	56.46
E.G. Slope (m/m)	0.001160	Area (m2)	33.95	62.95	56.46
Q Total (m3/s)	363.49	Flow (m3/s)	66.95	233.97	92.57
Top Width (m)	76.16	Top Width (m)	16.46	22.65	34.55
Vel Total (m/s)	2.19	Avg. Vel. (m/s)	1.66	2.62	1.56
Max Chl Dpth (m)	4.39	Hydr. Depth (m)	1.64	3.63	1.66
Conv. Total (m3/s)	11259.4	Conv. (m3/s)	1672.1	6669.4	2717.9
Length Wtd. (m)	19.91	Wetted Per. (m)	16.90	23.49	35.49
Min Ch El (m)	7.32	Shear (N/m2)	20.43	40.17	16.74
Alpha	1.23	Stream Power (N/m s)	25144.30	6616.02	12831.27
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	126.22	119.35	420.76
C & E Loss (m)	0.00	Cum SA (1000 m2)	66.69	37.43	167.07

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1700 Profile: 1:100 AÑOS

E.G. Elev (m)	12.29	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.20	Reach Len. (m)	6.94	20.00	5.96
Crit W.S. (m)	10.20	Flow Area (m2)	28.59	133.34	175.60
E.G. Slope (m/m)	0.000307	Area (m2)	28.59	133.34	175.60
Q Total (m3/s)	425.75	Flow (m3/s)	24.60	212.73	191.43
Top Width (m)	111.97	Top Width (m)	15.16	31.51	65.26
Vel Total (m/s)	1.27	Avg. Vel. (m/s)	0.86	1.60	1.09
Max Chl Dpth (m)	4.95	Hydr. Depth (m)	1.66	4.23	2.69
Conv. Total (m3/s)	24450.1	Conv. (m3/s)	1404.4	12145.9	10929.9
Length Wtd. (m)	12.66	Wetted Per. (m)	15.95	32.74	69.01
Min Ch El (m)	7.46	Shear (N/m2)	5.35	12.25	7.66
Alpha	1.14	Stream Power (N/m s)	25062.92	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	144.00	133.26	461.33
C & E Loss (m)	0.00	Cum SA (1000 m2)	69.24	39.12	191.49

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1650 Profile: 1:50 AÑOS

E.G. Elev (m)	12.06	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.97	Reach Len. (m)	31.06	20.00	20.03
Crit W.S. (m)	9.76	Flow Area (m2)	29.27	116.91	172.36
E.G. Slope (m/m)	0.000301	Area (m2)	29.27	116.91	172.36
Q Total (m3/s)	350.60	Flow (m3/s)	23.61	175.32	161.67
Top Width (m)	112.97	Top Width (m)	16.95	30.31	65.71
Vel Total (m/s)	1.19	Avg. Vel. (m/s)	0.61	1.50	1.05
Max Chl Dpth (m)	4.72	Hydr. Depth (m)	1.73	3.66	2.62
Conv. Total (m3/s)	21923.5	Conv. (m3/s)	1360.2	10095.7	10464.6
Length Wtd. (m)	21.69	Wetted Per. (m)	17.76	31.06	70.12
Min Ch El (m)	7.39	Shear (N/m2)	4.67	11.12	7.27
Alpha	1.13	Stream Power (N/m s)	24467.46	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	130.96	123.56	424.10
C & E Loss (m)	0.01	Cum SA (1000 m2)	66.25	36.51	166.73

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1650 Profile: 1:100 AÑOS

E.G. Elev (m)	12.29	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.20	Reach Len. (m)	31.06	20.00	20.03
Crit W.S. (m)	9.67	Flow Area (m2)	33.16	123.77	167.29
E.G. Slope (m/m)	0.000303	Area (m2)	33.16	123.77	167.29
Q Total (m3/s)	430.36	Flow (m3/s)	28.62	193.44	208.32
Top Width (m)	113.69	Top Width (m)	17.41	30.31	66.16
Vel Total (m/s)	1.25	Avg. Vel. (m/s)	0.86	1.56	1.11
Max Chl Dpth (m)	4.95	Hydr. Depth (m)	1.90	4.06	2.83
Conv. Total (m3/s)	24706.2	Conv. (m3/s)	1643.3	11105.4	11959.5
Length Wtd. (m)	21.76	Wetted Per. (m)	18.29	31.06	70.63
Min Ch El (m)	7.39	Shear (N/m2)	5.39	11.65	7.69
Alpha	1.12	Stream Power (N/m s)	24467.46	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	143.76	130.71	400.25
C & E Loss (m)	0.01	Cum SA (1000 m2)	69.13	36.51	191.10

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1720 Profile: 1:50 AÑOS

E.G. Elev (m)	12.09	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.96	Reach Len. (m)	20.16	20.00	32.59
Crit W.S. (m)	10.79	Flow Area (m2)	9.64	60.00	160.54
E.G. Slope (m/m)	0.000620	Area (m2)	9.64	60.00	160.54
Q Total (m3/s)	377.72	Flow (m3/s)	6.92	119.40	249.39
Top Width (m)	106.23	Top Width (m)	7.63	16.63	61.97
Vel Total (m/s)	1.51	Avg. Vel. (m/s)	0.93	1.99	1.36
Max Chl Dpth (m)	4.56	Hydr. Depth (m)	1.26	3.61	2.20
Conv. Total (m3/s)	15173.4	Conv. (m3/s)	356.5	4796.4	10016.6
Length Wtd. (m)	26.91	Wetted Per. (m)	6.17	17.92	64.05
Min Ch El (m)	7.40	Shear (N/m2)	7.17	20.35	13.05
Alpha	1.11	Stream Power (N/m s)	19461.11	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	131.50	127.66	430.66
C & E Loss (m)	0.01	Cum SA (1000 m2)	66.56	39.61	191.51

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1720 Profile: 1:100 AÑOS

E.G. Elev (m)	12.32	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.16	Reach Len. (m)	20.16	20.00	32.59
Crit W.S. (m)	10.69	Flow Area (m2)	11.41	63.77	199.17
E.G. Slope (m/m)	0.000595	Area (m2)	11.41	63.77	199.17
Q Total (m3/s)	427.12	Flow (m3/s)	11.14	129.45	266.54
Top Width (m)	107.15	Top Width (m)	8.06	16.63	62.44
Vel Total (m/s)	1.56	Avg. Vel. (m/s)	0.96	2.03	1.44
Max Chl Dpth (m)	4.79	Hydr. Depth (m)	1.41	3.64	2.42
Conv. Total (m3/s)	17516.6	Conv. (m3/s)	456.6	5306.7	11751.2
Length Wtd. (m)	27.04	Wetted Per. (m)	6.66	17.92	64.57
Min Ch El (m)	7.40	Shear (N/m2)	7.67	20.75	13.73
Alpha	1.10	Stream Power (N/m s)	19461.11	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	144.40	135.25	467.44
C & E Loss (m)	0.01	Cum SA (1000 m2)	69.46	39.61	193.90

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1700 Profile: 1:50 AÑOS

E.G. Elev (m)	12.06	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.96	Reach Len. (m)	6.94	20.00	5.96
Crit W.S. (m)	10.04	Flow Area (m2)	25.20	126.22	161.06
E.G. Slope (m/m)	0.000304	Area (m2)	25.20	126.22	161.06
Q Total (m3/s)	379.16	Flow (m3/s)	20.26	193.26	165.59
Top Width (m)	111.05	Top Width (m)	14.73	31.51	64.62
Vel Total (m/s)	1.21	Avg. Vel. (m/s)	0.60	1.53	1.03
Max Chl Dpth (m)	4.72	Hydr. Depth (m)	1.71	4.01	2.49
Conv. Total (m3/s)	21742.0	Conv. (m3/s)	1163.2	11063.4	9495.5
Length Wtd. (m)	12.63	Wetted Per. (m)	15.47	32.74	66.50
Min Ch El (m)	7.46	Shear (N/m2)	4.66	11.50	7.01
Alpha	1.15	Stream Power (N/m s)	25062.92	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	131.15	125.99	425.10
C & E Loss (m)	0.00	Cum SA (1000 m2)	66.36	39.12	169.11

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1700 Profile: 1:100 AÑOS

E.G. Elev (m)	12.36	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	12.19	Reach Len. (m)	21.06	20.00	19.72
Crit W.S. (m)	11.13	Flow Area (m2)	39.17	53.91	157.05
E.G. Slope (m/m)	0.000737	Area (m2)	39.17	53.91	157.05
Q Total (m3/s)	423.66	Flow (m3/s)	55.66	127.79	240.39
Top Width (m)	103.71	Top Width (m)	19.31	13.12	71.26
Vel Total (m/s)	1.69	Avg. Vel. (m/s)	1.42	2.37	1.53
Max Chl Dpth (m)	4.72	Hydr. Depth (m)	2.03	4.11	2.20
Conv. Total (m3/s)	15606.6	Conv. (m3/s)	2050.4	4706.0	8052.2
Length Wtd. (m)	19.91	Wetted Per. (m)	19.90	14.11	72.64
Min Ch El (m)	7.47	Shear (N/m2)	14.23	27.64	15.59
Alpha	1.15	Stream Power (N/m s)	19659.06	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	145.17	137.77	474.46
C & E Loss (m)	0.00	Cum SA (1000 m2)	69.94	40.26	196.91

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1740 Profile: 1:50 AÑOS

E.G. Elev (m)	12.10	Element	Left OB	Channel	Right OB
Vel Head (m)	0.15	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	11.96	Reach Len. (m)	20.77	20.00	19.62
Crit W.S. (m)	10.09	Flow Area (m2)	9.76	62.63	161.27
E.G. Slope (m/m)	0.000711	Area (m2)	9.76	62.63	161.27
Q Total (m3/s)	376.27	Flow (m3/s)	9.62	132.73	233.93
Top Width (m)	101.69	Top Width (m)	7.79	17.76	76.13
Vel Total (m/s)	1.61	Avg. Vel. (m/s)	0.99	2.11	1.45
Max Chl Dpth (m)	4.57	Hydr. Depth (m)	1.25	3.54	2.12
Conv. Total (m3/s)	14116.1	Conv. (m3/s)	360.6	4979.4	6775.9
Length Wtd. (m)	19.77	Wetted Per. (m)	6.35	19.01	77.32
Min Ch El (m)	7.36	Shear (N/m2)	6.14	23.03	14.53
Alpha	1.12	Stream Power (N/m s)	19264.90	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	131.70	129.09	434.02
C & E Loss (m)	0.01	Cum SA (1000 m2)	66.74	39.95	193.06

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1740 Profile: 1:100 AÑOS

E.G. Elev (m)	12.34	Element	Left OB	Channel	Right OB
Vel Head (m)	0.15	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	12.16	Reach Len. (m)	20.77	20.00	19.62
Crit W.S. (m)	10.99	Flow Area (m2)	11.57	66.64	176.50
E.G. Slope (m/m)	0.000679	Area (m2)	11.57	66.64	176.50
Q Total (m3/s)	425.49	Flow (m3/s)	12.00	143.65	269.64
Top Width (m)	102.61	Top Width (m)	6.24	17.76	76.60
Vel Total (m/s)	1.66	Avg. Vel. (m/s)	1.04	2.15	1.51
Max Chl Dpth (m)	4.60	Hydr. Depth (m)	1.40	3.76	2.33
Conv. Total (m3/s)	16327.1	Conv. (m3/s)	460.6	5519.7	10346.9
Length Wtd. (m)	19.77	Wetted Per. (m)	6.66	19.01	77.64
Min Ch El (m)	7.36	Shear (N/m2)	6.70	23.42	15.27
Alpha	1.11	Stream Power (N/m s)	19264.90	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	144.64	136.56	471.15
C & E Loss (m)	0.01	Cum SA (1000 m2)	69.65	39.95	195.46

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1750 Profile: 1:50 AÑOS

E.G. Elev (m)	12.14	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.03	Reach Len. (m)	20.96	20.00	19.76
Crit W.S. (m)	10.83	Flow Area (m2)	27.35	89.20	144.92
E.G. Slope (m/m)	0.000611	Area (m2)	27.35	89.20	144.92
Q Total (m3/s)	373.39	Flow (m3/s)	30.39	157.40	105.59
Top Width (m)	120.64	Top Width (m)	17.02	30.51	73.10
Vel Total (m/s)	1.43	Avg. Vel. (m/s)	1.11	1.76	1.26
Max Chl Dpth (m)	4.47	Hydr. Depth (m)	1.61	2.92	1.96
Conv. Total (m3/s)	15105.2	Conv. (m3/s)	1229.4	6367.7	7505.1
Length Wtd. (m)	19.97	Wetted Per. (m)	17.47	31.57	74.79
Min Ch El (m)	7.56	Shear (N/m2)	9.35	16.93	11.61
Alpha	1.09	Stream Power (N/m s)	19749.72	9575.56	16653.02
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	132.62	131.62	439.82
C & E Loss (m)	0.00	Cum SA (1000 m2)	69.40	40.70	195.92

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1750 Profile: 1:100 AÑOS

E.G. Elev (m)	12.37	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.25	Reach Len. (m)	20.96	20.00	19.76
Crit W.S. (m)	10.93	Flow Area (m2)	31.25	96.10	161.53
E.G. Slope (m/m)	0.000572	Area (m2)	31.25	96.10	161.53
Q Total (m3/s)	422.23	Flow (m3/s)	36.01	172.49	213.73
Top Width (m)	121.66	Top Width (m)	17.49	30.51	73.87
Vel Total (m/s)	1.46	Avg. Vel. (m/s)	1.15	1.79	1.32
Max Chl Dpth (m)	4.70	Hydr. Depth (m)	1.79	3.15	2.19
Conv. Total (m3/s)	17647.1	Conv. (m3/s)	1505.1	7209.2	6932.6
Length Wtd. (m)	19.97	Wetted Per. (m)	17.99	31.57	75.59
Min Ch El (m)	7.56	Shear (N/m2)	9.75	17.09	12.00
Alpha	1.08	Stream Power (N/m s)	19749.72	9575.56	16653.02
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	145.91	139.27	477.60
C & E Loss (m)	0.00	Cum SA (1000 m2)	90.32	40.70	195.35

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1750 Profile: 1:50 AÑOS

E.G. Elev (m)	12.12	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.96	Reach Len. (m)	21.06	20.00	19.72
Crit W.S. (m)	11.02	Flow Area (m2)	34.65	50.94	141.05
E.G. Slope (m/m)	0.000777	Area (m2)	34.65	50.94	141.05
Q Total (m3/s)	374.63	Flow (m3/s)	47.69	119.39	207.55
Top Width (m)	102.25	Top Width (m)	16.65	13.12	70.26
Vel Total (m/s)	1.65	Avg. Vel. (m/s)	1.37	2.34	1.47
Max Chl Dpth (m)	4.49	Hydr. Depth (m)	1.65	3.66	2.01
Conv. Total (m3/s)	13444.2	Conv. (m3/s)	1717.6	4262.2	7444.4
Length Wtd. (m)	19.91	Wetted Per. (m)	19.39	14.11	71.62
Min Ch El (m)	7.47	Shear (N/m2)	13.70	27.53	15.01
Alpha	1.17	Stream Power (N/m s)	19659.06	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	132.17	130.22	437.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	69.03	40.26	194.50

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1820 Profile: 1:100 AÑOS

E.G. Elev (m)	12.40	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.30	Reach Len. (m)	19.69	20.00	19.55
Crit W.S. (m)	11.08	Flow Area (m2)	55.66	71.74	153.21
E.G. Slope (m/m)	0.000469	Area (m2)	55.66	71.74	153.21
Q Total (m3/s)	415.97	Flow (m3/s)	59.10	131.45	225.41
Top Width (m)	132.96	Top Width (m)	35.39	15.33	79.26
Vel Total (m/s)	1.34	Avg. Vel. (m/s)	1.00	1.53	1.25
Max Chl Dpth (m)	4.75	Hydr. Depth (m)	1.66	3.91	2.31
Conv. Total (m3/s)	19347.4	Conv. (m3/s)	2729.2	6070.4	10547.6
Length Wtd. (m)	19.75	Wetted Per. (m)	35.68	19.67	60.71
Min Ch El (m)	7.55	Shear (N/m2)	7.54	16.77	10.44
Alpha	1.15	Stream Power (N/m s)	19412.13	9575.56	16469.99
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	147.93	142.41	403.90
C & E Loss (m)	0.00	Cum SA (1000 m2)	91.47	41.59	201.15

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1800 Profile: 1:50 AÑOS

E.G. Elev (m)	12.16	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.03	Reach Len. (m)	20.20	20.00	19.46
Crit W.S. (m)	10.99	Flow Area (m2)	48.92	66.76	135.61
E.G. Slope (m/m)	0.000643	Area (m2)	48.92	66.76	135.61
Q Total (m3/s)	371.95	Flow (m3/s)	56.12	134.64	161.19
Top Width (m)	117.29	Top Width (m)	30.53	20.43	66.33
Vel Total (m/s)	1.47	Avg. Vel. (m/s)	1.15	1.96	1.34
Max Chl Dpth (m)	4.45	Hydr. Depth (m)	1.60	3.37	2.04
Conv. Total (m3/s)	14663.6	Conv. (m3/s)	2212.5	5307.9	7143.2
Length Wtd. (m)	19.76	Wetted Per. (m)	30.95	21.64	68.26
Min Ch El (m)	7.56	Shear (N/m2)	9.97	20.05	12.53
Alpha	1.14	Stream Power (N/m s)	16529.12	9575.56	16134.84
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	133.59	133.20	442.55
C & E Loss (m)	0.00	Cum SA (1000 m2)	69.66	41.20	197.27

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1800 Profile: 1:100 AÑOS

E.G. Elev (m)	12.39	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.26	Reach Len. (m)	20.20	20.00	19.46
Crit W.S. (m)	11.08	Flow Area (m2)	55.66	73.37	150.66
E.G. Slope (m/m)	0.000606	Area (m2)	55.66	73.37	150.66
Q Total (m3/s)	420.60	Flow (m3/s)	67.17	145.56	207.87
Top Width (m)	115.55	Top Width (m)	31.01	20.43	67.12
Vel Total (m/s)	1.50	Avg. Vel. (m/s)	1.20	1.98	1.36
Max Chl Dpth (m)	4.66	Hydr. Depth (m)	1.60	3.59	2.24
Conv. Total (m3/s)	17066.9	Conv. (m3/s)	2729.2	5913.9	8445.6
Length Wtd. (m)	19.75	Wetted Per. (m)	31.46	21.64	69.06
Min Ch El (m)	7.56	Shear (N/m2)	10.54	20.14	12.96
Alpha	1.12	Stream Power (N/m s)	16529.12	9575.56	16134.84
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	146.79	140.96	450.64
C & E Loss (m)	0.00	Cum SA (1000 m2)	90.61	41.20	199.72

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1840 Profile: 1:50 AÑOS

E.G. Elev (m)	12.16	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.11	Reach Len. (m)	18.55	20.00	22.17
Crit W.S. (m)	10.62	Flow Area (m2)	76.95	117.06	148.96
E.G. Slope (m/m)	0.000262	Area (m2)	76.95	117.06	148.96
Q Total (m3/s)	369.06	Flow (m3/s)	66.41	172.04	130.61
Top Width (m)	137.13	Top Width (m)	37.41	27.61	71.91
Vel Total (m/s)	1.07	Avg. Vel. (m/s)	0.86	1.47	0.87
Max Chl Dpth (m)	4.59	Hydr. Depth (m)	2.06	4.21	2.09
Conv. Total (m3/s)	22769.5	Conv. (m3/s)	4100.6	10623.6	8065.3
Length Wtd. (m)	20.74	Wetted Per. (m)	35.07	26.90	73.19
Min Ch El (m)	7.52	Shear (N/m2)	5.20	10.42	5.27
Alpha	1.22	Stream Power (N/m s)	20812.99	6616.02	16276.46
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	135.77	136.41	448.99
C & E Loss (m)	0.00	Cum SA (1000 m2)	91.20	42.05	200.36

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1840 Profile: 1:100 AÑOS

E.G. Elev (m)	12.41	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.34	Reach Len. (m)	18.55	20.00	22.17
Crit W.S. (m)	10.72	Flow Area (m2)	65.41	123.31	166.19
E.G. Slope (m/m)	0.000259	Area (m2)	65.41	123.31	166.19
Q Total (m3/s)	417.33	Flow (m3/s)	77.77	166.35	153.22
Top Width (m)	135.05	Top Width (m)	37.69	27.61	72.36
Vel Total (m/s)	1.11	Avg. Vel. (m/s)	0.91	1.51	0.92
Max Chl Dpth (m)	4.61	Hydr. Depth (m)	2.25	4.43	2.30
Conv. Total (m3/s)	25946.5	Conv. (m3/s)	4635.1	11565.5	9525.9
Length Wtd. (m)	20.75	Wetted Per. (m)	36.60	26.90	73.70
Min Ch El (m)	7.52	Shear (N/m2)	5.61	10.63	5.72
Alpha	1.20	Stream Power (N/m s)	20812.99	6616.02	16276.46
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	149.27	144.36	467.76
C & E Loss (m)	0.00	Cum SA (1000 m2)	92.15	42.05	202.63

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1820 Profile: 1:50 AÑOS

E.G. Elev (m)	12.17	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.07	Reach Len. (m)	19.69	20.00	19.55
Crit W.S. (m)	10.99	Flow Area (m2)	50.90	67.56	165.31
E.G. Slope (m/m)	0.000499	Area (m2)	50.90	67.56	165.31
Q Total (m3/s)	370.50	Flow (m3/s)	46.33	122.79	199.36
Top Width (m)	132.05	Top Width (m)	34.92	16.33	76.60
Vel Total (m/s)	1.31	Avg. Vel. (m/s)	0.95	1.62	1.21
Max Chl Dpth (m)	4.52	Hydr. Depth (m)	1.46	3.69	2.10
Conv. Total (m3/s)	16583.2	Conv. (m3/s)	2163.2	5496.1	6923.9
Length Wtd. (m)	19.75	Wetted Per. (m)	35.35	19.67	60.21
Min Ch El (m)	7.55	Shear (N/m2)	7.05	16.62	10.09
Alpha	1.17	Stream Power (N/m s)	19412.13	9575.56	16469.99
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	134.56	134.57	445.49
C & E Loss (m)	0.00	Cum SA (1000 m2)	90.53	41.59	198.69

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1866 Profile: 1:100 AÑOS

E.G. Elev (m)	12.42	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.37	Reach Len. (m)	20.49	20.00	16.10
Crit W.S. (m)	10.62	Flow Area (m2)	213.33	67.28	135.50
E.G. Slope (m/m)	0.000251	Area (m2)	213.33	67.28	135.50
Q Total (m3/s)	367.66	Flow (m3/s)	175.50	94.63	117.55
Top Width (m)	186.35	Top Width (m)	109.12	15.96	63.25
Vel Total (m/s)	0.93	Avg. Vel. (m/s)	0.82	1.41	0.87
Max Chl Dpth (m)	4.61	Hydr. Depth (m)	1.95	4.21	2.14
Conv. Total (m3/s)	24482.2	Conv. (m3/s)	11082.9	5976.2	7423.1
Length Wtd. (m)	19.56	Wetted Per. (m)	109.64	17.16	64.31
Min Ch El (m)	7.56	Shear (N/m2)	4.76	9.64	5.16
Alpha	1.17	Stream Power (N/m s)	23912.64	6702.91	16039.06
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	155.67	147.74	493.33
C & E Loss (m)	0.00	Cum SA (1000 m2)	95.22	42.84	205.30

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1866 Profile: 1:50 AÑOS

E.G. Elev (m)	12.19	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.12	Reach Len. (m)	20.24	20.00	19.07
Crit W.S. (m)	10.65	Flow Area (m2)	147.45	69.64	132.69
E.G. Slope (m/m)	0.000313	Area (m2)	147.45	69.64	132.69
Q Total (m3/s)	367.62	Flow (m3/s)	133.60	106.93	124.88
Top Width (m)	157.36	Top Width (m)	75.66	17.23	64.44
Vel Total (m/s)	1.05	Avg. Vel. (m/s)	0.91	1.56	0.94
Max Chl Dpth (m)	4.62	Hydr. Depth (m)	1.95	4.05	2.06
Conv. Total (m3/s)	20790.3	Conv. (m3/s)	7566.7	6160.6	7063.0
Length Wtd. (m)	19.74	Wetted Per. (m)	77.19	17.99	65.76
Min Ch El (m)	7.50	Shear (N/m2)	5.66	11.90	6.19
Alpha	1.20	Stream Power (N/m s)	21807.94	7660.46	16276.46
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	135.04	136.26	451.66
C & E Loss (m)	0.00	Cum SA (1000 m2)	92.35	42.50	201.66

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1866 Profile: 1:100 AÑOS

E.G. Elev (m)	12.42	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.35	Reach Len. (m)	20.24	20.00	19.07
Crit W.S. (m)	10.93	Flow Area (m2)	164.73	73.75	147.35
E.G. Slope (m/m)	0.000297	Area (m2)	164.73	73.75	147.35
Q Total (m3/s)	415.70	Flow (m3/s)	155.33	116.22	144.16
Top Width (m)	156.91	Top Width (m)	76.77	17.23	64.90
Vel Total (m/s)	1.06	Avg. Vel. (m/s)	0.94	1.56	0.96
Max Chl Dpth (m)	4.65	Hydr. Depth (m)	2.15	4.26	2.27
Conv. Total (m3/s)	24129.6	Conv. (m3/s)	9015.9	6745.6	8367.6
Length Wtd. (m)	19.74	Wetted Per. (m)	76.30	17.99	66.27
Min Ch El (m)	7.50	Shear (N/m2)	6.12	11.93	6.47
Alpha	1.17	Stream Power (N/m s)	21807.94	7660.46	16276.46
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	151.60	146.33	490.77
C & E Loss (m)	0.00	Cum SA (1000 m2)	93.31	42.50	204.14

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1900 Profile: 1:50 AÑOS

E.G. Elev (m)	12.20	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.15	Reach Len. (m)	19.61	20.00	19.99
Crit W.S. (m)	10.67	Flow Area (m2)	161.61	51.74	155.70
E.G. Slope (m/m)	0.000260	Area (m2)	161.61	51.74	155.70
Q Total (m3/s)	341.39	Flow (m3/s)	112.07	76.54	150.76
Top Width (m)	194.77	Top Width (m)	115.32	12.33	67.11
Vel Total (m/s)	0.93	Avg. Vel. (m/s)	0.69	1.52	0.97
Max Chl Dpth (m)	4.50	Hydr. Depth (m)	1.40	4.20	2.32
Conv. Total (m3/s)	20401.9	Conv. (m3/s)	6097.6	4693.4	9010.9
Length Wtd. (m)	19.92	Wetted Per. (m)	116.57	12.76	68.05
Min Ch El (m)	7.65	Shear (N/m2)	3.81	11.11	6.26
Alpha	1.29	Stream Power (N/m s)	24442.16	5745.35	16900.66
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	144.96	140.77	456.74
C & E Loss (m)	0.00	Cum SA (1000 m2)	96.40	43.12	204.11

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1900 Profile: 1:100 AÑOS

E.G. Elev (m)	12.43	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.37	Reach Len. (m)	19.61	20.00	19.99
Crit W.S. (m)	10.96	Flow Area (m2)	166.30	54.56	171.09
E.G. Slope (m/m)	0.000256	Area (m2)	166.30	54.56	171.09
Q Total (m3/s)	366.05	Flow (m3/s)	136.05	62.07	167.93
Top Width (m)	195.14	Top Width (m)	116.23	12.33	67.56
Vel Total (m/s)	0.93	Avg. Vel. (m/s)	0.72	1.50	0.96
Max Chl Dpth (m)	4.73	Hydr. Depth (m)	1.59	4.42	2.53
Conv. Total (m3/s)	24117.5	Conv. (m3/s)	6499.2	5127.2	10491.0
Length Wtd. (m)	19.92	Wetted Per. (m)	119.50	12.76	68.57
Min Ch El (m)	7.65	Shear (N/m2)	3.96	10.72	6.27
Alpha	1.25	Stream Power (N/m s)	24442.16	5745.35	16900.66
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	159.65	146.96	496.39
C & E Loss (m)	0.00	Cum SA (1000 m2)	97.47	43.12	206.61

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1600 Profile: 1:50 AÑOS

E.G. Elev (m)	12.20	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.14	Reach Len. (m)	20.49	20.00	19.10
Crit W.S. (m)	10.62	Flow Area (m2)	166.76	63.64	121.12
E.G. Slope (m/m)	0.000270	Area (m2)	166.76	63.64	121.12
Q Total (m3/s)	342.63	Flow (m3/s)	151.46	89.56	101.60
Top Width (m)	184.65	Top Width (m)	106.06	15.96	62.79
Vel Total (m/s)	0.92	Avg. Vel. (m/s)	0.80	1.41	0.84
Max Chl Dpth (m)	4.56	Hydr. Depth (m)	1.76	3.96	1.93
Conv. Total (m3/s)	20546.6	Conv. (m3/s)	9211.6	5446.2	6190.6
Length Wtd. (m)	19.59	Wetted Per. (m)	106.56	17.16	63.60
Min Ch El (m)	7.56	Shear (N/m2)	4.70	9.84	5.03
Alpha	1.20	Stream Power (N/m s)	23912.64	6702.91	16039.06
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	141.46	139.62	453.96
C & E Loss (m)	0.00	Cum SA (1000 m2)	94.21	42.64	202.61

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1940 Profile: 1:100 AÑOS

E.G. Elev (m)	12.46	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	12.37	Reach Len. (m)	20.15	20.00	19.96
Crit W.S. (m)	10.46	Flow Area (m2)	30.75	97.22	177.17
E.G. Slope (m/m)	0.000350	Area (m2)	30.75	97.22	177.17
Q Total (m3/s)	362.76	Flow (m3/s)	20.00	147.51	215.27
Top Width (m)	119.23	Top Width (m)	26.53	27.51	63.19
Vel Total (m/s)	1.25	Avg. Vel. (m/s)	0.65	1.52	1.22
Max Chl Dpth (m)	4.59	Hydr. Depth (m)	1.06	3.53	2.80
Conv. Total (m3/s)	20462.0	Conv. (m3/s)	1069.0	7865.4	11507.6
Length Wtd. (m)	20.00	Wetted Per. (m)	26.67	26.40	65.14
Min Ch El (m)	7.77	Shear (N/m2)	3.66	11.75	9.33
Alpha	1.11	Stream Power (N/m s)	24840.16	10533.13	17475.43
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	162.53	152.95	502.63
C & E Loss (m)	0.00	Cum SA (1000 m2)	99.62	44.29	206.89

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1920 Profile: 1:50 AÑOS

E.G. Elev (m)	12.22	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	12.13	Reach Len. (m)	20.13	20.00	20.06
Crit W.S. (m)	10.44	Flow Area (m2)	25.90	114.64	126.64
E.G. Slope (m/m)	0.000403	Area (m2)	25.90	114.64	126.64
Q Total (m3/s)	339.95	Flow (m3/s)	15.14	167.60	157.21
Top Width (m)	116.41	Top Width (m)	31.64	36.45	46.33
Vel Total (m/s)	1.27	Avg. Vel. (m/s)	0.56	1.46	1.24
Max Chl Dpth (m)	4.42	Hydr. Depth (m)	0.82	2.96	2.62
Conv. Total (m3/s)	16926.1	Conv. (m3/s)	754.1	6345.6	7626.2
Length Wtd. (m)	20.05	Wetted Per. (m)	31.72	39.39	50.15
Min Ch El (m)	7.71	Shear (N/m2)	3.23	11.51	9.99
Alpha	1.10	Stream Power (N/m s)	24462.00	10533.13	17331.79
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	146.64	142.44	459.56
C & E Loss (m)	0.01	Cum SA (1000 m2)	97.66	43.63	205.27

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1920 Profile: 1:100 AÑOS

E.G. Elev (m)	12.45	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	12.35	Reach Len. (m)	20.13	20.00	20.06
Crit W.S. (m)	10.55	Flow Area (m2)	33.16	123.24	137.50
E.G. Slope (m/m)	0.000391	Area (m2)	33.16	123.24	137.50
Q Total (m3/s)	364.42	Flow (m3/s)	21.71	186.26	176.45
Top Width (m)	120.72	Top Width (m)	33.49	36.45	46.76
Vel Total (m/s)	1.31	Avg. Vel. (m/s)	0.65	1.51	1.26
Max Chl Dpth (m)	4.64	Hydr. Depth (m)	0.99	3.21	2.62
Conv. Total (m3/s)	19432.0	Conv. (m3/s)	1097.2	9415.4	8919.5
Length Wtd. (m)	20.06	Wetted Per. (m)	33.59	39.39	50.65
Min Ch El (m)	7.71	Shear (N/m2)	3.79	12.01	10.42
Alpha	1.10	Stream Power (N/m s)	24462.00	10533.13	17331.79
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	161.66	150.74	499.49
C & E Loss (m)	0.01	Cum SA (1000 m2)	99.00	43.63	207.77

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1960 Profile: 1:50 AÑOS

E.G. Elev (m)	12.24	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.14	Reach Len. (m)	20.19	20.00	20.01
Crit W.S. (m)	10.69	Flow Area (m2)	33.06	59.66	166.15
E.G. Slope (m/m)	0.000494	Area (m2)	33.06	59.66	166.15
Q Total (m3/s)	337.07	Flow (m3/s)	26.95	106.65	201.44
Top Width (m)	122.79	Top Width (m)	27.95	16.16	76.66
Vel Total (m/s)	1.30	Avg. Vel. (m/s)	0.82	1.61	1.21
Max Chl Dpth (m)	4.33	Hydr. Depth (m)	1.16	3.71	2.11
Conv. Total (m3/s)	15161.6	Conv. (m3/s)	1213.5	4867.1	9061.0
Length Wtd. (m)	20.02	Wetted Per. (m)	26.61	17.34	79.40
Min Ch El (m)	7.61	Shear (N/m2)	5.60	16.74	10.14
Alpha	1.16	Stream Power (N/m s)	25791.67	10533.13	16193.59
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	147.94	146.00	465.77
C & E Loss (m)	0.01	Cum SA (1000 m2)	95.99	44.72	207.79

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1960 Profile: 1:100 AÑOS

E.G. Elev (m)	12.47	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.37	Reach Len. (m)	20.19	20.00	20.01
Crit W.S. (m)	11.07	Flow Area (m2)	39.51	63.52	163.90
E.G. Slope (m/m)	0.000466	Area (m2)	39.51	63.52	163.90
Q Total (m3/s)	351.15	Flow (m3/s)	34.11	116.36	230.66
Top Width (m)	124.69	Top Width (m)	29.40	16.16	79.13
Vel Total (m/s)	1.33	Avg. Vel. (m/s)	0.66	1.63	1.25
Max Chl Dpth (m)	4.56	Hydr. Depth (m)	1.34	3.93	2.32
Conv. Total (m3/s)	17656.9	Conv. (m3/s)	1580.0	5391.5	10665.4
Length Wtd. (m)	20.02	Wetted Per. (m)	30.07	17.34	79.90
Min Ch El (m)	7.61	Shear (N/m2)	6.01	16.74	10.52
Alpha	1.16	Stream Power (N/m s)	25791.67	10533.13	16193.59
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	163.23	154.55	506.24
C & E Loss (m)	0.00	Cum SA (1000 m2)	100.21	44.72	210.32

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1940 Profile: 1:50 AÑOS

E.G. Elev (m)	12.23	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.15	Reach Len. (m)	20.15	20.00	19.96
Crit W.S. (m)	10.36	Flow Area (m2)	24.77	91.09	163.14
E.G. Slope (m/m)	0.000355	Area (m2)	24.77	91.09	163.14
Q Total (m3/s)	335.51	Flow (m3/s)	15.26	133.29	169.94
Top Width (m)	115.37	Top Width (m)	25.12	27.51	62.74
Vel Total (m/s)	1.21	Avg. Vel. (m/s)	0.62	1.46	1.16
Max Chl Dpth (m)	4.37	Hydr. Depth (m)	0.99	3.31	2.60
Conv. Total (m3/s)	17966.7	Conv. (m3/s)	611.1	7074.3	10081.3
Length Wtd. (m)	19.99	Wetted Per. (m)	25.44	26.40	64.64
Min Ch El (m)	7.77	Shear (N/m2)	3.39	11.16	6.79
Alpha	1.10	Stream Power (N/m s)	24840.16	10533.13	17475.43
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	147.35	144.49	462.47
C & E Loss (m)	0.00	Cum SA (1000 m2)	95.45	44.29	206.36

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2000 Profile: 1:100 AÑOS

E.G. Elev (m)	12.49	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.43	Reach Len. (m)	20.07	20.00	19.92
Crit W.S. (m)	10.76	Flow Area (m2)	203.31	73.02	113.31
E.G. Slope (m/m)	0.000256	Area (m2)	203.31	73.02	113.31
Q Total (m3/s)	377.89	Flow (m3/s)	196.94	96.21	84.75
Top Width (m)	169.96	Top Width (m)	62.53	19.65	67.60
Vel Total (m/s)	0.97	Avg. Vel. (m/s)	0.97	1.32	0.75
Max Chl Dpth (m)	4.61	Hydr. Depth (m)	2.46	3.66	1.66
Conv. Total (m3/s)	23611.7	Conv. (m3/s)	12305.1	6011.3	5295.4
Length Wtd. (m)	20.01	Wetted Per. (m)	63.10	20.66	66.26
Min Ch El (m)	7.62	Shear (N/m2)	6.15	6.79	4.17
Alpha	1.12	Stream Power (N/m s)	24362.75	7651.96	16946.76
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	169.09	157.41	512.39
C & E Loss (m)	0.00	Cum SA (1000 m2)	102.49	45.47	213.41

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1960 Profile: 1:50 AÑOS

E.G. Elev (m)	12.25	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.20	Reach Len. (m)	20.22	20.00	20.64
Crit W.S. (m)	10.45	Flow Area (m2)	156.61	69.99	136.32
E.G. Slope (m/m)	0.000225	Area (m2)	156.61	69.99	136.32
Q Total (m3/s)	335.62	Flow (m3/s)	152.50	65.29	97.63
Top Width (m)	154.66	Top Width (m)	56.75	19.41	76.70
Vel Total (m/s)	0.92	Avg. Vel. (m/s)	0.97	1.22	0.72
Max Chl Dpth (m)	4.36	Hydr. Depth (m)	2.76	3.61	1.73
Conv. Total (m3/s)	22379.6	Conv. (m3/s)	10169.1	5667.4	6523.1
Length Wtd. (m)	20.34	Wetted Per. (m)	57.61	20.40	79.26
Min Ch El (m)	7.63	Shear (N/m2)	6.00	7.57	3.79
Alpha	1.12	Stream Power (N/m s)	25119.16	9675.56	17906.32
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	149.66	147.30	466.69
C & E Loss (m)	0.01	Cum SA (1000 m2)	99.65	45.06	209.42

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 1960 Profile: 1:100 AÑOS

E.G. Elev (m)	12.46	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.43	Reach Len. (m)	20.22	20.00	20.64
Crit W.S. (m)	10.56	Flow Area (m2)	169.49	74.36	154.07
E.G. Slope (m/m)	0.000216	Area (m2)	169.49	74.36	154.07
Q Total (m3/s)	379.52	Flow (m3/s)	169.20	82.61	117.52
Top Width (m)	156.29	Top Width (m)	57.72	19.41	79.15
Vel Total (m/s)	0.95	Avg. Vel. (m/s)	1.00	1.25	0.76
Max Chl Dpth (m)	4.60	Hydr. Depth (m)	2.94	3.63	1.95
Conv. Total (m3/s)	25724.4	Conv. (m3/s)	11466.3	6290.9	7965.3
Length Wtd. (m)	20.35	Wetted Per. (m)	56.60	20.40	79.77
Min Ch El (m)	7.63	Shear (N/m2)	6.17	7.76	4.12
Alpha	1.11	Stream Power (N/m s)	25119.16	9675.56	17906.32
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	165.35	155.93	509.73
C & E Loss (m)	0.01	Cum SA (1000 m2)	101.09	45.06	211.95

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2020 Profile: 1:50 AÑOS

E.G. Elev (m)	12.32	Element	Left OB	Channel	Right OB
Vel Head (m)	0.21	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.11	Reach Len. (m)	20.13	20.00	18.91
Crit W.S. (m)	11.66	Flow Area (m2)	69.14	54.65	70.46
E.G. Slope (m/m)	0.001195	Area (m2)	69.14	54.65	70.46
Q Total (m3/s)	332.74	Flow (m3/s)	99.53	144.26	88.93
Top Width (m)	125.94	Top Width (m)	49.05	16.21	60.66
Vel Total (m/s)	1.71	Avg. Vel. (m/s)	1.44	2.64	1.26
Max Chl Dpth (m)	4.29	Hydr. Depth (m)	1.41	3.37	1.16
Conv. Total (m3/s)	9626.6	Conv. (m3/s)	2679.7	4174.2	2672.9
Length Wtd. (m)	19.79	Wetted Per. (m)	49.50	17.46	61.51
Min Ch El (m)	7.62	Shear (N/m2)	16.36	36.64	13.43
Alpha	1.39	Stream Power (N/m s)	23143.93	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	155.84	149.92	472.62
C & E Loss (m)	0.05	Cum SA (1000 m2)	102.54	45.63	212.06

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2020 Profile: 1:100 AÑOS

E.G. Elev (m)	12.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.35	Reach Len. (m)	20.13	20.00	18.91
Crit W.S. (m)	11.75	Flow Area (m2)	60.99	56.53	65.03
E.G. Slope (m/m)	0.001006	Area (m2)	60.99	56.53	65.03
Q Total (m3/s)	376.26	Flow (m3/s)	116.95	146.39	110.92
Top Width (m)	127.63	Top Width (m)	50.26	16.21	61.16
Vel Total (m/s)	1.66	Avg. Vel. (m/s)	1.44	2.54	1.30
Max Chl Dpth (m)	4.53	Hydr. Depth (m)	1.61	3.61	1.39
Conv. Total (m3/s)	11863.7	Conv. (m3/s)	3687.6	4676.7	3487.3
Length Wtd. (m)	19.77	Wetted Per. (m)	50.73	17.46	62.04
Min Ch El (m)	7.62	Shear (N/m2)	15.75	33.03	13.52
Alpha	1.31	Stream Power (N/m s)	23143.93	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	171.95	156.72	514.27
C & E Loss (m)	0.04	Cum SA (1000 m2)	103.63	45.63	214.63

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2000 Profile: 1:50 AÑOS

E.G. Elev (m)	12.26	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.21	Reach Len. (m)	20.07	20.00	19.92
Crit W.S. (m)	10.66	Flow Area (m2)	164.63	66.54	96.12
E.G. Slope (m/m)	0.000274	Area (m2)	164.63	66.54	96.12
Q Total (m3/s)	334.16	Flow (m3/s)	175.35	89.54	69.29
Top Width (m)	166.40	Top Width (m)	61.41	19.65	67.14
Vel Total (m/s)	0.95	Avg. Vel. (m/s)	0.95	1.31	0.71
Max Chl Dpth (m)	4.39	Hydr. Depth (m)	2.27	3.45	1.46
Conv. Total (m3/s)	20191.6	Conv. (m3/s)	10595.1	5409.9	4186.7
Length Wtd. (m)	20.01	Wetted Per. (m)	61.96	20.66	67.75
Min Ch El (m)	7.62	Shear (N/m2)	6.06	6.62	3.89
Alpha	1.14	Stream Power (N/m s)	24362.75	7651.96	16946.76
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	153.28	146.69	471.22
C & E Loss (m)	0.00	Cum SA (1000 m2)	101.23	45.47	210.67

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2060 Profile: 1:100 AÑOS

E.G. Elev (m)	12.73	Element	Left OB	Channel	Right OB
Vel Head (m)	0.58	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.15	Reach Len. (m)	19.75	20.00	19.91
Crit W.S. (m)	12.08	Flow Area (m2)	56.43	49.94	24.39
E.G. Slope (m/m)	0.003466	Area (m2)	56.43	49.94	24.39
Q Total (m3/s)	373.00	Flow (m3/s)	125.45	205.52	42.03
Top Width (m)	92.52	Top Width (m)	46.59	16.50	29.73
Vel Total (m/s)	2.65	Avg. Vel. (m/s)	2.22	4.12	1.72
Max Chl Dpth (m)	4.26	Hydr. Depth (m)	1.21	3.03	0.62
Conv. Total (m3/s)	6317.2	Conv. (m3/s)	2124.7	3455.7	711.6
Length Wtd. (m)	19.90	Wetted Per. (m)	47.01	16.32	29.76
Min Ch El (m)	7.65	Shear (N/m2)	41.04	93.21	25.01
Alpha	1.39	Stream Power (N/m s)	20016.06	0.00	0.00
Frctn Loss (m)	0.05	Cum Volume (1000 m3)	174.63	160.67	516.46
C & E Loss (m)	0.07	Cum SA (1000 m2)	105.70	46.46	216.72

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2040 Profile: 1:50 AÑOS

E.G. Elev (m)	12.42	Element	Left OB	Channel	Right OB
Vel Head (m)	0.43	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.99	Reach Len. (m)	19.75	20.00	20.21
Crit W.S. (m)	11.66	Flow Area (m2)	53.94	46.59	37.91
E.G. Slope (m/m)	0.002616	Area (m2)	53.94	46.59	37.91
Q Total (m3/s)	331.30	Flow (m3/s)	102.03	176.36	52.68
Top Width (m)	113.70	Top Width (m)	45.64	16.14	51.72
Vel Total (m/s)	2.36	Avg. Vel. (m/s)	1.69	3.63	1.39
Max Chl Dpth (m)	4.14	Hydr. Depth (m)	1.16	3.01	0.73
Conv. Total (m3/s)	6475.2	Conv. (m3/s)	1994.2	3447.4	1033.7
Length Wtd. (m)	19.97	Wetted Per. (m)	46.19	17.35	51.76
Min Ch El (m)	7.65	Shear (N/m2)	29.96	71.66	16.60
Alpha	1.51	Stream Power (N/m s)	20465.70	0.00	0.00
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	157.05	150.95	473.91
C & E Loss (m)	0.07	Cum SA (1000 m2)	103.46	46.16	213.22

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2040 Profile: 1:100 AÑOS

E.G. Elev (m)	12.61	Element	Left OB	Channel	Right OB
Vel Head (m)	0.34	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.27	Reach Len. (m)	19.75	20.00	20.21
Crit W.S. (m)	11.96	Flow Area (m2)	67.07	53.16	54.21
E.G. Slope (m/m)	0.001914	Area (m2)	67.07	53.16	54.21
Q Total (m3/s)	374.63	Flow (m3/s)	124.24	175.31	75.08
Top Width (m)	121.02	Top Width (m)	46.44	16.14	56.44
Vel Total (m/s)	2.15	Avg. Vel. (m/s)	1.65	3.30	1.39
Max Chl Dpth (m)	4.42	Hydr. Depth (m)	1.44	3.30	0.93
Conv. Total (m3/s)	6563.7	Conv. (m3/s)	2639.9	4007.4	1716.3
Length Wtd. (m)	19.97	Wetted Per. (m)	46.65	17.35	56.56
Min Ch El (m)	7.65	Shear (N/m2)	26.67	57.51	17.37
Alpha	1.43	Stream Power (N/m s)	20465.70	0.00	0.00
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	173.41	159.64	515.66
C & E Loss (m)	0.04	Cum SA (1000 m2)	104.76	46.16	215.64

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2060 Profile: 1:50 AÑOS

E.G. Elev (m)	12.66	Element	Left OB	Channel	Right OB
Vel Head (m)	0.40	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.26	Reach Len. (m)	19.73	20.00	19.83
Crit W.S. (m)	12.05	Flow Area (m2)	59.77	49.28	28.03
E.G. Slope (m/m)	0.002465	Area (m2)	59.77	49.28	28.03
Q Total (m3/s)	325.41	Flow (m3/s)	112.31	170.41	45.68
Top Width (m)	93.55	Top Width (m)	49.01	15.89	26.65
Vel Total (m/s)	2.40	Avg. Vel. (m/s)	1.88	3.46	1.63
Max Chl Dpth (m)	4.26	Hydr. Depth (m)	1.22	3.10	0.96
Conv. Total (m3/s)	6610.7	Conv. (m3/s)	2260.8	3430.4	919.6
Length Wtd. (m)	19.89	Wetted Per. (m)	49.45	16.11	26.70
Min Ch El (m)	8.00	Shear (N/m2)	29.25	65.85	23.63
Alpha	1.36	Stream Power (N/m s)	16734.13	0.00	0.00
Frctn Loss (m)	0.06	Cum Volume (1000 m3)	159.11	152.67	474.95
C & E Loss (m)	0.02	Cum SA (1000 m2)	105.33	46.61	214.53

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2060 Profile: 1:100 AÑOS

E.G. Elev (m)	12.60	Element	Left OB	Channel	Right OB
Vel Head (m)	0.43	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.37	Reach Len. (m)	19.73	20.00	19.83
Crit W.S. (m)	12.15	Flow Area (m2)	65.15	51.03	31.22
E.G. Slope (m/m)	0.002500	Area (m2)	65.15	51.03	31.22
Q Total (m3/s)	371.37	Flow (m3/s)	132.14	184.62	54.61
Top Width (m)	94.00	Top Width (m)	49.24	15.89	29.68
Vel Total (m/s)	2.52	Avg. Vel. (m/s)	2.03	3.62	1.75
Max Chl Dpth (m)	4.37	Hydr. Depth (m)	1.32	3.21	1.05
Conv. Total (m3/s)	7311.5	Conv. (m3/s)	2601.5	3634.8	1075.2
Length Wtd. (m)	19.88	Wetted Per. (m)	49.70	16.11	29.74
Min Ch El (m)	6.00	Shear (N/m2)	33.17	71.27	26.56
Alpha	1.33	Stream Power (N/m s)	16734.13	0.00	0.00
Frctn Loss (m)	0.06	Cum Volume (1000 m3)	175.63	161.88	517.01
C & E Loss (m)	0.01	Cum SA (1000 m2)	106.65	46.61	217.30

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2060 Profile: 1:50 AÑOS

E.G. Elev (m)	12.56	Element	Left OB	Channel	Right OB
Vel Head (m)	0.62	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	11.96	Reach Len. (m)	19.75	20.00	19.91
Crit W.S. (m)	11.96	Flow Area (m2)	47.63	46.61	19.19
E.G. Slope (m/m)	0.003932	Area (m2)	47.63	46.61	19.19
Q Total (m3/s)	329.65	Flow (m3/s)	101.06	185.94	32.55
Top Width (m)	85.53	Top Width (m)	46.20	16.50	25.63
Vel Total (m/s)	2.90	Avg. Vel. (m/s)	2.12	4.19	1.71
Max Chl Dpth (m)	4.09	Hydr. Depth (m)	1.03	2.84	0.74
Conv. Total (m3/s)	5260.3	Conv. (m3/s)	1611.7	3124.7	523.9
Length Wtd. (m)	19.91	Wetted Per. (m)	46.57	16.32	25.66
Min Ch El (m)	7.66	Shear (N/m2)	39.44	96.54	26.59
Alpha	1.43	Stream Power (N/m s)	20016.06	0.00	0.00
Frctn Loss (m)	0.06	Cum Volume (1000 m3)	156.05	151.90	474.48
C & E Loss (m)	0.06	Cum SA (1000 m2)	104.39	46.46	213.99

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2120 Profile: 1:100 AÑOS

E.G. Elev (m)	12.96	Element	Left OB	Channel	Right OB
Vel Head (m)	0.56	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	12.36	Reach Len. (m)	20.04	20.00	20.46
Crit W.S. (m)	12.25	Flow Area (m2)	51.95	67.40	7.57
E.G. Slope (m/m)	0.002669	Area (m2)	51.95	67.40	7.57
Q Total (m3/s)	366.10	Flow (m3/s)	99.67	256.62	9.41
Top Width (m)	60.79	Top Width (m)	46.16	21.63	12.96
Vel Total (m/s)	2.90	Avg. Vel. (m/s)	1.92	3.64	1.24
Max Chl Dpth (m)	4.22	Hydr. Depth (m)	1.12	3.12	0.56
Conv. Total (m3/s)	6572.9	Conv. (m3/s)	1664.7	4832.4	175.6
Length Wtd. (m)	20.05	Wetted Per. (m)	46.50	23.69	13.03
Min Ch El (m)	6.15	Shear (N/m2)	31.43	80.02	16.35
Alpha	1.36	Stream Power (N/m s)	16697.35	0.00	0.00
Frctn Loss (m)	0.06	Cum Volume (1000 m3)	176.31	164.06	517.97
C & E Loss (m)	0.04	Cum SA (1000 m2)	106.64	47.50	216.26

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2100 Profile: 1:50 AÑOS

E.G. Elev (m)	12.72	Element	Left OB	Channel	Right OB
Vel Head (m)	0.41	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	12.31	Reach Len. (m)	19.62	20.00	20.06
Crit W.S. (m)	12.14	Flow Area (m2)	60.75	46.15	25.09
E.G. Slope (m/m)	0.002706	Area (m2)	60.75	46.15	25.09
Q Total (m3/s)	326.97	Flow (m3/s)	115.61	166.63	42.73
Top Width (m)	94.36	Top Width (m)	52.46	16.17	25.73
Vel Total (m/s)	2.44	Avg. Vel. (m/s)	1.90	3.50	1.70
Max Chl Dpth (m)	4.10	Hydr. Depth (m)	1.16	2.96	0.96
Conv. Total (m3/s)	6263.7	Conv. (m3/s)	2221.9	3240.6	621.1
Length Wtd. (m)	19.66	Wetted Per. (m)	52.65	16.61	25.79
Min Ch El (m)	6.21	Shear (N/m2)	30.52	66.69	25.63
Alpha	1.34	Stream Power (N/m s)	16622.66	0.00	0.00
Frctn Loss (m)	0.05	Cum Volume (1000 m3)	160.30	153.64	475.46
C & E Loss (m)	0.00	Cum SA (1000 m2)	106.33	47.13	215.07

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2100 Profile: 1:100 AÑOS

E.G. Elev (m)	12.66	Element	Left OB	Channel	Right OB
Vel Head (m)	0.44	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	12.42	Reach Len. (m)	19.62	20.00	20.06
Crit W.S. (m)	12.23	Flow Area (m2)	66.74	49.99	26.06
E.G. Slope (m/m)	0.002766	Area (m2)	66.74	49.99	26.06
Q Total (m3/s)	369.74	Flow (m3/s)	136.74	182.10	50.89
Top Width (m)	95.66	Top Width (m)	52.71	16.17	26.60
Vel Total (m/s)	2.55	Avg. Vel. (m/s)	2.05	3.64	1.61
Max Chl Dpth (m)	4.21	Hydr. Depth (m)	1.27	3.09	1.05
Conv. Total (m3/s)	7005.0	Conv. (m3/s)	2590.7	3450.1	964.2
Length Wtd. (m)	19.67	Wetted Per. (m)	53.11	16.61	26.66
Min Ch El (m)	6.21	Shear (N/m2)	34.33	73.36	26.56
Alpha	1.31	Stream Power (N/m s)	16622.66	0.00	0.00
Frctn Loss (m)	0.05	Cum Volume (1000 m3)	177.12	162.69	517.60
C & E Loss (m)	0.00	Cum SA (1000 m2)	107.65	47.13	217.67

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2140 Profile: 1:50 AÑOS

E.G. Elev (m)	12.55	Element	Left OB	Channel	Right OB
Vel Head (m)	0.50	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.35	Reach Len. (m)	19.61	20.00	20.09
Crit W.S. (m)	12.13	Flow Area (m2)	50.32	65.51	10.45
E.G. Slope (m/m)	0.002012	Area (m2)	50.32	65.51	10.45
Q Total (m3/s)	324.08	Flow (m3/s)	76.67	233.70	11.72
Top Width (m)	80.92	Top Width (m)	46.57	16.47	15.66
Vel Total (m/s)	2.57	Avg. Vel. (m/s)	1.56	3.57	1.12
Max Chl Dpth (m)	4.33	Hydr. Depth (m)	1.06	3.55	0.66
Conv. Total (m3/s)	7225.6	Conv. (m3/s)	1753.9	5210.4	261.3
Length Wtd. (m)	19.96	Wetted Per. (m)	47.07	19.71	16.09
Min Ch El (m)	5.02	Shear (N/m2)	21.09	65.56	12.52
Alpha	1.49	Stream Power (N/m s)	22919.25	0.00	0.00
Frctn Loss (m)	0.05	Cum Volume (1000 m3)	162.35	156.28	475.97
C & E Loss (m)	0.00	Cum SA (1000 m2)	105.23	47.91	215.74

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2140 Profile: 1:100 AÑOS

E.G. Elev (m)	13.01	Element	Left OB	Channel	Right OB
Vel Head (m)	0.54	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.47	Reach Len. (m)	19.61	20.00	20.09
Crit W.S. (m)	12.26	Flow Area (m2)	56.11	67.60	12.52
E.G. Slope (m/m)	0.002129	Area (m2)	56.11	67.60	12.52
Q Total (m3/s)	366.47	Flow (m3/s)	96.63	254.56	15.26
Top Width (m)	82.77	Top Width (m)	46.63	16.47	17.46
Vel Total (m/s)	2.69	Avg. Vel. (m/s)	1.72	3.75	1.22
Max Chl Dpth (m)	4.45	Hydr. Depth (m)	1.20	3.67	0.72
Conv. Total (m3/s)	7942.7	Conv. (m3/s)	2094.4	5517.1	331.2
Length Wtd. (m)	19.95	Wetted Per. (m)	47.35	19.71	17.69
Min Ch El (m)	5.02	Shear (N/m2)	24.74	71.80	14.77
Alpha	1.47	Stream Power (N/m s)	22919.25	0.00	0.00
Frctn Loss (m)	0.05	Cum Volume (1000 m3)	179.38	165.41	516.17
C & E Loss (m)	0.00	Cum SA (1000 m2)	109.56	47.91	218.56

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2120 Profile: 1:50 AÑOS

E.G. Elev (m)	12.50	Element	Left OB	Channel	Right OB
Vel Head (m)	0.52	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.26	Reach Len. (m)	20.04	20.00	20.46
Crit W.S. (m)	12.12	Flow Area (m2)	47.66	65.38	6.41
E.G. Slope (m/m)	0.002624	Area (m2)	47.66	65.38	6.41
Q Total (m3/s)	325.53	Flow (m3/s)	62.95	235.33	7.21
Top Width (m)	79.57	Top Width (m)	45.99	21.63	11.94
Vel Total (m/s)	2.73	Avg. Vel. (m/s)	1.74	3.60	1.12
Max Chl Dpth (m)	4.13	Hydr. Depth (m)	1.04	3.02	0.54
Conv. Total (m3/s)	6354.6	Conv. (m3/s)	1619.9	4594.0	140.6
Length Wtd. (m)	20.05	Wetted Per. (m)	46.29	23.69	11.99
Min Ch El (m)	5.15	Shear (N/m2)	26.50	71.01	13.76
Alpha	1.37	Stream Power (N/m s)	16697.35	0.00	0.00
Frctn Loss (m)	0.05	Cum Volume (1000 m3)	161.38	154.98	475.60
C & E Loss (m)	0.03	Cum SA (1000 m2)	107.31	47.50	215.46

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2100 Profile: 1:100 AÑOS

E.G. Elev (m)	13.17	Element	Left OB	Channel	Right OB
Vel Head (m)	0.43	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	12.73	Reach Len. (m)	19.63	20.00	20.19
Crit W.S. (m)	12.49	Flow Area (m2)	61.44	56.74	30.10
E.G. Slope (m/m)	0.002167	Area (m2)	61.44	56.74	30.10
Q Total (m3/s)	363.21	Flow (m3/s)	116.51	202.59	44.11
Top Width (m)	94.53	Top Width (m)	45.40	16.15	32.96
Vel Total (m/s)	2.45	Avg. Vel. (m/s)	1.90	3.57	1.47
Max Chl Dpth (m)	5.01	Hydr. Depth (m)	1.35	3.51	0.91
Conv. Total (m3/s)	7766.2	Conv. (m3/s)	2491.3	4331.6	943.1
Length Wtd. (m)	19.97	Wetted Per. (m)	45.79	16.15	33.04
Min Ch El (m)	7.73	Shear (N/m2)	29.76	67.04	19.54
Alpha	1.42	Stream Power (N/m s)	22743.95	6616.02	14652.19
Frctn Loss (m)	0.05	Cum Volume (1000 m3)	161.55	167.61	516.95
C & E Loss (m)	0.02	Cum SA (1000 m2)	111.36	46.56	219.57

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2100 Profile: 1:50 AÑOS

E.G. Elev (m)	12.94	Element	Left OB	Channel	Right OB
Vel Head (m)	0.63	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	12.31	Reach Len. (m)	19.60	20.00	20.26
Crit W.S. (m)	12.31	Flow Area (m2)	44.39	55.27	13.92
E.G. Slope (m/m)	0.002965	Area (m2)	44.39	55.27	13.92
Q Total (m3/s)	322.64	Flow (m3/s)	79.11	224.40	19.12
Top Width (m)	82.95	Top Width (m)	45.32	16.53	21.11
Vel Total (m/s)	2.64	Avg. Vel. (m/s)	1.76	4.06	1.37
Max Chl Dpth (m)	4.47	Hydr. Depth (m)	0.96	3.34	0.66
Conv. Total (m3/s)	5924.9	Conv. (m3/s)	1452.6	4120.9	351.2
Length Wtd. (m)	19.97	Wetted Per. (m)	45.63	16.32	21.15
Min Ch El (m)	7.63	Shear (N/m2)	26.29	67.72	19.14
Alpha	1.53	Stream Power (N/m s)	22914.02	6616.02	15212.71
Frctn Loss (m)	0.05	Cum Volume (1000 m3)	163.29	157.49	476.22
C & E Loss (m)	0.04	Cum SA (1000 m2)	109.14	46.26	216.11

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2100 Profile: 1:100 AÑOS

E.G. Elev (m)	13.10	Element	Left OB	Channel	Right OB
Vel Head (m)	0.65	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	12.45	Reach Len. (m)	19.60	20.00	20.26
Crit W.S. (m)	12.43	Flow Area (m2)	50.60	57.59	17.06
E.G. Slope (m/m)	0.002979	Area (m2)	50.60	57.59	17.06
Q Total (m3/s)	364.64	Flow (m3/s)	96.60	240.92	25.12
Top Width (m)	85.50	Top Width (m)	45.60	16.53	23.37
Vel Total (m/s)	2.91	Avg. Vel. (m/s)	1.95	4.16	1.47
Max Chl Dpth (m)	4.62	Hydr. Depth (m)	1.11	3.49	0.73
Conv. Total (m3/s)	6664.6	Conv. (m3/s)	1610.3	4414.3	460.2
Length Wtd. (m)	19.96	Wetted Per. (m)	45.95	16.32	23.42
Min Ch El (m)	7.63	Shear (N/m2)	32.29	61.63	21.27
Alpha	1.50	Stream Power (N/m s)	22914.02	6616.02	15212.71
Frctn Loss (m)	0.05	Cum Volume (1000 m3)	160.44	166.67	516.47
C & E Loss (m)	0.03	Cum SA (1000 m2)	110.46	46.26	219.00

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2200 Profile: 1:50 AÑOS

E.G. Elev (m)	13.06	Element	Left OB	Channel	Right OB
Vel Head (m)	0.24	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	12.62	Reach Len. (m)	19.66	20.00	20.01
Crit W.S. (m)	12.26	Flow Area (m2)	67.65	65.05	34.65
E.G. Slope (m/m)	0.001356	Area (m2)	67.65	65.05	34.65
Q Total (m3/s)	319.76	Flow (m3/s)	105.49	171.09	40.16
Top Width (m)	105.00	Top Width (m)	45.69	20.94	36.37
Vel Total (m/s)	1.91	Avg. Vel. (m/s)	1.60	2.63	1.16
Max Chl Dpth (m)	4.76	Hydr. Depth (m)	1.46	3.11	0.90
Conv. Total (m3/s)	6562.0	Conv. (m3/s)	2911.6	4591.9	1076.3
Length Wtd. (m)	19.96	Wetted Per. (m)	46.11	23.41	36.40
Min Ch El (m)	6.06	Shear (N/m2)	19.96	37.63	12.26
Alpha	1.30	Stream Power (N/m s)	23216.14	7161.66	14661.60
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	105.49	159.76	477.22
C & E Loss (m)	0.02	Cum SA (1000 m2)	110.94	46.95	217.32

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2200 Profile: 1:100 AÑOS

E.G. Elev (m)	13.22	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	12.96	Reach Len. (m)	19.66	20.00	20.01
Crit W.S. (m)	12.36	Flow Area (m2)	74.31	66.09	40.43
E.G. Slope (m/m)	0.001367	Area (m2)	74.31	66.09	40.43
Q Total (m3/s)	361.56	Flow (m3/s)	126.66	165.23	49.67
Top Width (m)	106.17	Top Width (m)	45.99	20.94	41.24
Vel Total (m/s)	1.96	Avg. Vel. (m/s)	1.70	2.72	1.23
Max Chl Dpth (m)	4.90	Hydr. Depth (m)	1.62	3.25	0.96
Conv. Total (m3/s)	9672.5	Conv. (m3/s)	3366.7	4955.0	1326.6
Length Wtd. (m)	19.96	Wetted Per. (m)	46.43	23.41	41.26
Min Ch El (m)	6.06	Shear (N/m2)	21.93	39.66	13.42
Alpha	1.26	Stream Power (N/m s)	23216.14	7161.66	14661.60
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	162.90	169.06	519.65
C & E Loss (m)	0.02	Cum SA (1000 m2)	112.29	46.95	220.31

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2100 Profile: 1:50 AÑOS

E.G. Elev (m)	13.01	Element	Left OB	Channel	Right OB
Vel Head (m)	0.42	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	12.59	Reach Len. (m)	19.63	20.00	20.19
Crit W.S. (m)	12.37	Flow Area (m2)	54.63	54.36	25.47
E.G. Slope (m/m)	0.002193	Area (m2)	54.63	54.36	25.47
Q Total (m3/s)	321.20	Flow (m3/s)	96.99	189.01	35.19
Top Width (m)	91.76	Top Width (m)	45.11	16.15	30.53
Vel Total (m/s)	2.36	Avg. Vel. (m/s)	1.77	3.46	1.36
Max Chl Dpth (m)	4.66	Hydr. Depth (m)	1.22	3.37	0.63
Conv. Total (m3/s)	6956.7	Conv. (m3/s)	2071.1	4636.1	751.5
Length Wtd. (m)	19.97	Wetted Per. (m)	45.46	16.15	30.56
Min Ch El (m)	7.73	Shear (N/m2)	25.94	64.43	17.91
Alpha	1.45	Stream Power (N/m s)	22743.95	6616.02	14652.19
Frctn Loss (m)	0.05	Cum Volume (1000 m3)	164.27	156.59	476.62
C & E Loss (m)	0.02	Cum SA (1000 m2)	110.03	46.56	216.63

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2240 Profile: 1:100 AÑOS

E.G. Elev (m)	13.27	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.14	Reach Len. (m)	19.69	20.00	20.01
Crit W.S. (m)	12.41	Flow Area (m2)	93.76	64.36	92.91
E.G. Slope (m/m)	0.000766	Area (m2)	93.76	64.36	92.91
Q Total (m3/s)	356.32	Flow (m3/s)	116.10	134.03	106.19
Top Width (m)	143.19	Top Width (m)	56.36	16.37	66.46
Vel Total (m/s)	1.43	Avg. Vel. (m/s)	1.26	2.06	1.14
Max Chl Dpth (m)	5.17	Hydr. Depth (m)	1.61	3.50	1.40
Conv. Total (m3/s)	12943.9	Conv. (m3/s)	4266.1	4841.6	3836.2
Length Wtd. (m)	19.90	Wetted Per. (m)	56.60	21.05	67.39
Min Ch El (m)	7.96	Shear (N/m2)	11.95	22.97	10.36
Alpha	1.24	Stream Power (N/m s)	22747.74	0.00	0.00
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	166.25	171.77	522.45
C & E Loss (m)	0.00	Cum SA (1000 m2)	114.35	49.76	222.74

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2220 Profile: 1:50 AÑOS

E.G. Elev (m)	13.09	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.93	Reach Len. (m)	19.96	20.00	20.12
Crit W.S. (m)	12.31	Flow Area (m2)	76.45	66.02	62.24
E.G. Slope (m/m)	0.001010	Area (m2)	76.45	66.02	62.24
Q Total (m3/s)	316.31	Flow (m3/s)	104.61	149.75	63.76
Top Width (m)	137.26	Top Width (m)	51.54	20.66	65.06
Vel Total (m/s)	1.55	Avg. Vel. (m/s)	1.37	2.27	1.02
Max Chl Dpth (m)	4.61	Hydr. Depth (m)	1.46	3.19	0.96
Conv. Total (m3/s)	10014.0	Conv. (m3/s)	3297.2	4711.0	2005.6
Length Wtd. (m)	20.01	Wetted Per. (m)	51.95	23.37	65.47
Min Ch El (m)	6.12	Shear (N/m2)	14.56	27.99	9.42
Alpha	1.34	Stream Power (N/m s)	22949.35	0.00	0.00
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	166.93	161.09	476.19
C & E Loss (m)	0.01	Cum SA (1000 m2)	111.91	49.37	216.36

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2220 Profile: 1:100 AÑOS

E.G. Elev (m)	13.25	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.06	Reach Len. (m)	19.96	20.00	20.12
Crit W.S. (m)	12.39	Flow Area (m2)	64.60	69.26	72.65
E.G. Slope (m/m)	0.000974	Area (m2)	64.60	69.26	72.65
Q Total (m3/s)	359.95	Flow (m3/s)	121.26	159.33	79.35
Top Width (m)	139.65	Top Width (m)	51.65	20.66	67.11
Vel Total (m/s)	1.59	Avg. Vel. (m/s)	1.43	2.30	1.09
Max Chl Dpth (m)	4.97	Hydr. Depth (m)	1.63	3.35	1.06
Conv. Total (m3/s)	11532.6	Conv. (m3/s)	3695.3	5104.6	2542.5
Length Wtd. (m)	20.01	Wetted Per. (m)	52.31	23.37	67.53
Min Ch El (m)	6.12	Shear (N/m2)	15.45	26.31	10.26
Alpha	1.31	Stream Power (N/m s)	22949.35	0.00	0.00
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	164.49	170.43	520.79
C & E Loss (m)	0.01	Cum SA (1000 m2)	113.26	49.37	221.40

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2260 Profile: 1:50 AÑOS

E.G. Elev (m)	13.13	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.02	Reach Len. (m)	21.70	20.00	18.00
Crit W.S. (m)	12.27	Flow Area (m2)	72.69	82.80	88.20
E.G. Slope (m/m)	0.000617	Area (m2)	72.69	82.80	88.20
Q Total (m3/s)	315.43	Flow (m3/s)	75.17	150.95	89.31
Top Width (m)	142.16	Top Width (m)	51.70	25.50	64.96
Vel Total (m/s)	1.29	Avg. Vel. (m/s)	1.03	1.82	1.01
Max Chl Dpth (m)	5.07	Hydr. Depth (m)	1.41	3.25	1.36
Conv. Total (m3/s)	12694.8	Conv. (m3/s)	3025.5	6075.1	3594.3
Length Wtd. (m)	19.91	Wetted Per. (m)	52.09	26.12	65.24
Min Ch El (m)	7.95	Shear (N/m2)	8.45	17.83	8.16
Alpha	1.27	Stream Power (N/m s)	22607.21	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	170.22	163.61	461.16
C & E Loss (m)	0.00	Cum SA (1000 m2)	114.16	50.20	220.66

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2260 Profile: 1:100 AÑOS

E.G. Elev (m)	13.29	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.17	Reach Len. (m)	21.70	20.00	18.00
Crit W.S. (m)	12.34	Flow Area (m2)	66.66	86.72	96.20
E.G. Slope (m/m)	0.000611	Area (m2)	66.66	86.72	96.20
Q Total (m3/s)	356.69	Flow (m3/s)	66.66	162.21	105.91
Top Width (m)	142.00	Top Width (m)	52.01	25.50	65.29
Vel Total (m/s)	1.34	Avg. Vel. (m/s)	1.10	1.87	1.06
Max Chl Dpth (m)	5.22	Hydr. Depth (m)	1.55	3.40	1.50
Conv. Total (m3/s)	14426.2	Conv. (m3/s)	3582.3	6561.6	4264.3
Length Wtd. (m)	19.90	Wetted Per. (m)	52.44	26.12	65.59
Min Ch El (m)	7.95	Shear (N/m2)	9.22	18.46	8.97
Alpha	1.24	Stream Power (N/m s)	22607.21	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	165.14	173.26	524.17
C & E Loss (m)	0.00	Cum SA (1000 m2)	115.55	50.20	223.92

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2240 Profile: 1:50 AÑOS

E.G. Elev (m)	13.11	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	12.99	Reach Len. (m)	19.69	20.00	20.01
Crit W.S. (m)	12.32	Flow Area (m2)	64.69	61.49	62.57
E.G. Slope (m/m)	0.000791	Area (m2)	64.69	61.49	62.57
Q Total (m3/s)	316.67	Flow (m3/s)	101.66	126.23	88.96
Top Width (m)	142.56	Top Width (m)	55.05	16.37	66.15
Vel Total (m/s)	1.39	Avg. Vel. (m/s)	1.20	2.05	1.06
Max Chl Dpth (m)	5.01	Hydr. Depth (m)	1.46	3.35	1.25
Conv. Total (m3/s)	11265.2	Conv. (m3/s)	3614.9	4467.8	3162.5
Length Wtd. (m)	19.90	Wetted Per. (m)	58.44	21.05	67.04
Min Ch El (m)	7.96	Shear (N/m2)	11.24	22.66	9.56
Alpha	1.29	Stream Power (N/m s)	22747.74	0.00	0.00
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	165.52	162.37	479.64
C & E Loss (m)	0.00	Cum SA (1000 m2)	112.99	49.76	219.66

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2300 Profile: 1:100 AÑOS

E.G. Elev (m)	13.31	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.20	Reach Len. (m)	20.32	20.00	20.44
Crit W.S. (m)	12.29	Flow Area (m2)	33.71	89.90	152.56
E.G. Slope (m/m)	0.000491	Area (m2)	33.71	89.90	152.56
Q Total (m3/s)	353.43	Flow (m3/s)	30.50	166.64	154.28
Top Width (m)	143.04	Top Width (m)	25.10	23.07	94.87
Vel Total (m/s)	1.26	Avg. Vel. (m/s)	0.91	1.88	1.01
Max Chl Dpth (m)	5.00	Hydr. Depth (m)	1.34	3.90	1.61
Conv. Total (m3/s)	15955.8	Conv. (m3/s)	1377.2	7613.4	6965.2
Length Wtd. (m)	20.22	Wetted Per. (m)	26.20	24.62	95.17
Min Ch El (m)	8.20	Shear (N/m2)	6.19	17.57	7.71
Alpha	1.34	Stream Power (N/m s)	23253.95	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	190.43	176.76	529.19
C & E Loss (m)	0.00	Cum SA (1000 m2)	117.09	51.14	227.16

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2260 Profile: 1:50 AÑOS

E.G. Elev (m)	13.14	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.03	Reach Len. (m)	19.41	20.00	20.00
Crit W.S. (m)	12.27	Flow Area (m2)	52.66	82.38	110.37
E.G. Slope (m/m)	0.000564	Area (m2)	52.66	82.38	110.37
Q Total (m3/s)	313.99	Flow (m3/s)	50.41	155.36	108.20
Top Width (m)	141.75	Top Width (m)	39.20	22.75	79.80
Vel Total (m/s)	1.26	Avg. Vel. (m/s)	0.96	1.89	0.96
Max Chl Dpth (m)	4.95	Hydr. Depth (m)	1.34	3.62	1.36
Conv. Total (m3/s)	13223.1	Conv. (m3/s)	2122.7	6543.7	4556.6
Length Wtd. (m)	19.66	Wetted Per. (m)	39.63	24.63	60.07
Min Ch El (m)	6.06	Shear (N/m2)	7.35	16.34	7.62
Alpha	1.37	Stream Power (N/m s)	23092.50	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	171.44	165.46	463.17
C & E Loss (m)	0.00	Cum SA (1000 m2)	115.06	50.68	222.31

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2260 Profile: 1:100 AÑOS

E.G. Elev (m)	13.30	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.16	Reach Len. (m)	19.41	20.00	20.00
Crit W.S. (m)	12.34	Flow Area (m2)	58.72	85.67	122.66
E.G. Slope (m/m)	0.000563	Area (m2)	58.72	85.67	122.66
Q Total (m3/s)	355.06	Flow (m3/s)	60.04	166.44	128.58
Top Width (m)	142.36	Top Width (m)	39.51	22.75	80.11
Vel Total (m/s)	1.33	Avg. Vel. (m/s)	1.02	1.94	1.05
Max Chl Dpth (m)	5.10	Hydr. Depth (m)	1.49	3.76	1.53
Conv. Total (m3/s)	14960.4	Conv. (m3/s)	2529.7	7013.1	5417.6
Length Wtd. (m)	19.66	Wetted Per. (m)	39.97	24.63	60.42
Min Ch El (m)	6.06	Shear (N/m2)	8.11	19.10	8.42
Alpha	1.32	Stream Power (N/m s)	23092.50	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	169.49	175.01	526.36
C & E Loss (m)	0.00	Cum SA (1000 m2)	116.43	50.68	225.36

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2320 Profile: 1:50 AÑOS

E.G. Elev (m)	13.17	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.09	Reach Len. (m)	18.25	20.00	73.73
Crit W.S. (m)	11.91	Flow Area (m2)	24.34	154.17	86.36
E.G. Slope (m/m)	0.000426	Area (m2)	24.34	154.17	86.36
Q Total (m3/s)	311.10	Flow (m3/s)	18.76	214.80	77.42
Top Width (m)	131.71	Top Width (m)	19.60	54.22	57.66
Vel Total (m/s)	1.17	Avg. Vel. (m/s)	0.77	1.39	0.90
Max Chl Dpth (m)	4.58	Hydr. Depth (m)	1.23	2.84	1.50
Conv. Total (m3/s)	15076.5	Conv. (m3/s)	910.4	10415.9	3752.2
Length Wtd. (m)	37.76	Wetted Per. (m)	20.47	59.25	58.07
Min Ch El (m)	8.21	Shear (N/m2)	4.96	10.86	6.21
Alpha	1.14	Stream Power (N/m s)	20105.06	5159.80	16278.46
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	172.77	169.56	493.96
C & E Loss (m)	0.00	Cum SA (1000 m2)	116.11	51.91	229.70

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2320 Profile: 1:100 AÑOS

E.G. Elev (m)	13.33	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.25	Reach Len. (m)	18.25	20.00	73.73
Crit W.S. (m)	12.01	Flow Area (m2)	27.36	162.39	95.15
E.G. Slope (m/m)	0.000436	Area (m2)	27.36	162.39	95.15
Q Total (m3/s)	351.79	Flow (m3/s)	22.66	237.25	91.66
Top Width (m)	132.37	Top Width (m)	20.10	54.22	58.04
Vel Total (m/s)	1.23	Avg. Vel. (m/s)	0.84	1.46	0.96
Max Chl Dpth (m)	5.03	Hydr. Depth (m)	1.36	2.99	1.64
Conv. Total (m3/s)	16840.3	Conv. (m3/s)	1094.5	11357.3	4388.6
Length Wtd. (m)	38.61	Wetted Per. (m)	20.81	59.25	58.46
Min Ch El (m)	6.21	Shear (N/m2)	5.63	11.73	6.97
Alpha	1.13	Stream Power (N/m s)	20105.06	5159.80	16278.46
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	190.99	179.29	536.32
C & E Loss (m)	0.00	Cum SA (1000 m2)	117.50	51.91	232.80

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2300 Profile: 1:50 AÑOS

E.G. Elev (m)	13.15	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.05	Reach Len. (m)	20.32	20.00	20.44
Crit W.S. (m)	12.21	Flow Area (m2)	29.91	86.37	138.06
E.G. Slope (m/m)	0.000466	Area (m2)	29.91	86.37	138.06
Q Total (m3/s)	312.54	Flow (m3/s)	25.26	156.95	130.34
Top Width (m)	142.02	Top Width (m)	24.44	23.07	94.51
Vel Total (m/s)	1.23	Avg. Vel. (m/s)	0.84	1.82	0.94
Max Chl Dpth (m)	4.84	Hydr. Depth (m)	1.22	3.74	1.46
Conv. Total (m3/s)	14181.3	Conv. (m3/s)	1146.1	7121.4	5913.9
Length Wtd. (m)	20.21	Wetted Per. (m)	25.32	24.62	94.77
Min Ch El (m)	8.20	Shear (N/m2)	5.63	16.71	6.94
Alpha	1.36	Stream Power (N/m s)	23253.95	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	172.28	167.15	485.71
C & E Loss (m)	0.00	Cum SA (1000 m2)	115.71	51.14	224.09

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2420 Profile: 1:100 AÑOS

E.G. Elev (m)	13.41	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.24	Reach Len. (m)	19.65	20.00	19.94
Crit W.S. (m)	12.49	Flow Area (m2)	79.60	55.15	64.56
E.G. Slope (m/m)	0.000767	Area (m2)	79.60	55.15	64.56
Q Total (m3/s)	345.27	Flow (m3/s)	90.06	126.62	126.39
Top Width (m)	114.97	Top Width (m)	59.66	13.66	41.41
Vel Total (m/s)	1.57	Avg. Vel. (m/s)	1.13	2.34	1.49
Max Chl Dpth (m)	4.62	Hydr. Depth (m)	1.34	3.97	2.04
Conv. Total (m3/s)	12304.6	Conv. (m3/s)	3209.6	4595.7	4504.3
Length Wtd. (m)	19.94	Wetted Per. (m)	60.20	15.50	41.66
Min Ch El (m)	8.42	Shear (N/m2)	10.23	27.47	15.59
Alpha	1.29	Stream Power (N/m s)	17679.24	5476.19	15320.92
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	196.40	189.40	542.19
C & E Loss (m)	0.00	Cum SA (1000 m2)	121.36	55.03	234.94

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2400 Profile: 1:50 AÑOS

E.G. Elev (m)	13.23	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.09	Reach Len. (m)	67.14	80.00	24.42
Crit W.S. (m)	12.40	Flow Area (m2)	76.16	56.76	77.06
E.G. Slope (m/m)	0.000760	Area (m2)	76.16	56.76	77.06
Q Total (m3/s)	309.66	Flow (m3/s)	62.36	127.46	99.84
Top Width (m)	120.96	Top Width (m)	59.32	16.21	45.46
Vel Total (m/s)	1.46	Avg. Vel. (m/s)	1.06	2.17	1.30
Max Chl Dpth (m)	4.73	Hydr. Depth (m)	1.28	3.62	1.70
Conv. Total (m3/s)	11232.5	Conv. (m3/s)	2987.5	4623.5	3621.6
Length Wtd. (m)	62.03	Wetted Per. (m)	59.66	17.97	46.02
Min Ch El (m)	6.35	Shear (N/m2)	9.51	24.37	12.46
Alpha	1.31	Stream Power (N/m s)	19265.57	4546.40	16276.46
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	176.15	176.07	495.97
C & E Loss (m)	0.02	Cum SA (1000 m2)	116.77	54.73	230.96

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2400 Profile: 1:100 AÑOS

E.G. Elev (m)	13.39	Element	Left OB	Channel	Right OB
Vel Head (m)	0.15	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.24	Reach Len. (m)	67.14	80.00	24.42
Crit W.S. (m)	12.46	Flow Area (m2)	65.19	61.22	63.96
E.G. Slope (m/m)	0.000760	Area (m2)	65.19	61.22	63.96
Q Total (m3/s)	350.16	Flow (m3/s)	96.93	136.53	114.71
Top Width (m)	121.61	Top Width (m)	59.62	16.21	45.76
Vel Total (m/s)	1.52	Avg. Vel. (m/s)	1.16	2.23	1.37
Max Chl Dpth (m)	4.66	Hydr. Depth (m)	1.43	3.76	1.83
Conv. Total (m3/s)	12696.0	Conv. (m3/s)	3587.5	4950.9	4159.6
Length Wtd. (m)	61.43	Wetted Per. (m)	60.00	17.97	46.37
Min Ch El (m)	6.35	Shear (N/m2)	10.59	25.41	13.51
Alpha	1.27	Stream Power (N/m s)	19265.57	4546.40	16276.46
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	194.76	186.23	540.51
C & E Loss (m)	0.02	Cum SA (1000 m2)	120.16	54.73	234.07

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2440 Profile: 1:50 AÑOS

E.G. Elev (m)	13.29	Element	Left OB	Channel	Right OB
Vel Head (m)	0.25	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.05	Reach Len. (m)	19.90	20.00	19.88
Crit W.S. (m)	12.54	Flow Area (m2)	50.43	50.62	61.76
E.G. Slope (m/m)	0.001350	Area (m2)	50.43	50.62	61.76
Q Total (m3/s)	303.89	Flow (m3/s)	57.83	142.35	103.71
Top Width (m)	107.70	Top Width (m)	55.25	14.33	36.13
Vel Total (m/s)	1.66	Avg. Vel. (m/s)	1.15	2.80	1.66
Max Chl Dpth (m)	4.76	Hydr. Depth (m)	0.91	3.55	1.62
Conv. Total (m3/s)	6270.7	Conv. (m3/s)	1573.9	3874.3	2822.5
Length Wtd. (m)	19.94	Wetted Per. (m)	55.66	16.30	36.47
Min Ch El (m)	8.27	Shear (N/m2)	11.99	41.26	21.25
Alpha	1.41	Stream Power (N/m s)	16002.17	6716.79	15320.92
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	178.61	180.23	498.92
C & E Loss (m)	0.03	Cum SA (1000 m2)	121.08	55.31	232.61

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2440 Profile: 1:100 AÑOS

E.G. Elev (m)	13.45	Element	Left OB	Channel	Right OB
Vel Head (m)	0.25	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.20	Reach Len. (m)	19.90	20.00	19.88
Crit W.S. (m)	12.74	Flow Area (m2)	58.96	53.03	67.66
E.G. Slope (m/m)	0.001320	Area (m2)	58.96	53.03	67.66
Q Total (m3/s)	343.64	Flow (m3/s)	73.90	151.10	118.65
Top Width (m)	108.33	Top Width (m)	55.56	14.33	36.45
Vel Total (m/s)	1.91	Avg. Vel. (m/s)	1.25	2.85	1.75
Max Chl Dpth (m)	4.93	Hydr. Depth (m)	1.06	3.70	1.76
Conv. Total (m3/s)	9456.0	Conv. (m3/s)	2033.6	4156.7	3265.5
Length Wtd. (m)	19.93	Wetted Per. (m)	56.01	16.30	36.53
Min Ch El (m)	8.27	Shear (N/m2)	13.63	42.12	22.56
Alpha	1.36	Stream Power (N/m s)	16002.17	6716.79	15320.92
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	197.78	190.46	543.70
C & E Loss (m)	0.03	Cum SA (1000 m2)	122.51	55.31	235.73

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2420 Profile: 1:50 AÑOS

E.G. Elev (m)	13.25	Element	Left OB	Channel	Right OB
Vel Head (m)	0.15	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.09	Reach Len. (m)	19.65	20.00	19.94
Crit W.S. (m)	12.39	Flow Area (m2)	70.79	53.05	76.34
E.G. Slope (m/m)	0.000760	Area (m2)	70.79	53.05	76.34
Q Total (m3/s)	305.33	Flow (m3/s)	73.73	120.22	111.38
Top Width (m)	114.35	Top Width (m)	59.38	13.68	41.09
Vel Total (m/s)	1.51	Avg. Vel. (m/s)	1.04	2.27	1.42
Max Chl Dpth (m)	4.67	Hydr. Depth (m)	1.19	3.62	1.91
Conv. Total (m3/s)	10929.2	Conv. (m3/s)	2639.1	4303.3	3686.7
Length Wtd. (m)	19.94	Wetted Per. (m)	59.66	15.50	41.53
Min Ch El (m)	8.42	Shear (N/m2)	9.05	26.20	14.44
Alpha	1.32	Stream Power (N/m s)	17679.24	5476.19	15320.92
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	177.61	178.19	497.52
C & E Loss (m)	0.00	Cum SA (1000 m2)	119.94	55.03	231.62

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2460 Profile: 1:100 AÑOS

E.G. Elev (m)	13.51	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.50	Reach Len. (m)	20.06	20.00	20.03
Crit W.S. (m)	11.54	Flow Area (m2)	544.93	66.05	55.34
E.G. Slope (m/m)	0.000061	Area (m2)	544.93	66.05	55.34
Q Total (m3/s)	340.36	Flow (m3/s)	271.33	47.15	21.90
Top Width (m)	307.29	Top Width (m)	252.99	16.16	36.13
Vel Total (m/s)	0.51	Avg. Vel. (m/s)	0.50	0.69	0.40
Max Chl Dpth (m)	5.16	Hydr. Depth (m)	2.15	3.74	1.53
Conv. Total (m3/s)	37865.1	Conv. (m3/s)	30163.7	5245.0	2436.3
Length Wtd. (m)	20.03	Wetted Per. (m)	254.39	21.46	36.46
Min Ch El (m)	8.34	Shear (N/m2)	1.70	2.51	1.20
Alpha	1.06	Stream Power (N/m s)	19413.29	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	205.05	193.79	545.11
C & E Loss (m)	0.02	Cum SA (1000 m2)	126.63	56.54	236.63

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2460 Profile: 1:50 AÑOS

E.G. Elev (m)	13.33	Element	Left OB	Channel	Right OB
Vel Head (m)	0.21	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.11	Reach Len. (m)	20.37	20.00	19.76
Crit W.S. (m)	12.59	Flow Area (m2)	52.22	96.56	6.17
E.G. Slope (m/m)	0.001509	Area (m2)	52.22	96.56	6.17
Q Total (m3/s)	302.45	Flow (m3/s)	69.30	222.45	10.70
Top Width (m)	102.72	Top Width (m)	50.10	44.66	7.75
Vel Total (m/s)	1.90	Avg. Vel. (m/s)	1.33	2.26	1.31
Max Chl Dpth (m)	4.95	Hydr. Depth (m)	1.04	2.20	1.06
Conv. Total (m3/s)	7785.6	Conv. (m3/s)	1764.0	5726.4	275.4
Length Wtd. (m)	20.04	Wetted Per. (m)	50.32	47.53	6.04
Min Ch El (m)	6.16	Shear (N/m2)	15.36	30.70	15.04
Alpha	1.16	Stream Power (N/m s)	16636.63	9196.39	15320.92
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	179.66	161.72	499.61
C & E Loss (m)	0.00	Cum SA (1000 m2)	122.16	55.90	233.06

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2460 Profile: 1:100 AÑOS

E.G. Elev (m)	13.46	Element	Left OB	Channel	Right OB
Vel Head (m)	0.23	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.26	Reach Len. (m)	20.37	20.00	19.76
Crit W.S. (m)	12.69	Flow Area (m2)	59.49	105.06	9.32
E.G. Slope (m/m)	0.001474	Area (m2)	59.49	105.06	9.32
Q Total (m3/s)	342.01	Flow (m3/s)	64.69	244.53	12.79
Top Width (m)	103.39	Top Width (m)	50.46	44.66	6.06
Vel Total (m/s)	1.97	Avg. Vel. (m/s)	1.42	2.33	1.37
Max Chl Dpth (m)	5.10	Hydr. Depth (m)	1.16	2.34	1.16
Conv. Total (m3/s)	6907.6	Conv. (m3/s)	2205.7	6365.8	333.2
Length Wtd. (m)	20.04	Wetted Per. (m)	50.72	47.53	6.36
Min Ch El (m)	6.16	Shear (N/m2)	16.96	31.96	16.06
Alpha	1.15	Stream Power (N/m s)	16636.63	9196.39	15320.92
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	195.99	192.06	544.46
C & E Loss (m)	0.00	Cum SA (1000 m2)	123.59	55.90	236.19

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2500 Profile: 1:50 AÑOS

E.G. Elev (m)	13.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.34	Reach Len. (m)	19.74	20.00	20.05
Crit W.S. (m)	11.80	Flow Area (m2)	490.62	87.89	26.56
E.G. Slope (m/m)	0.000064	Area (m2)	490.62	87.89	26.56
Q Total (m3/s)	299.56	Flow (m3/s)	236.29	55.51	7.76
Top Width (m)	304.72	Top Width (m)	247.23	29.19	26.30
Vel Total (m/s)	0.50	Avg. Vel. (m/s)	0.46	0.63	0.29
Max Chi Dpth (m)	4.69	Hydr. Depth (m)	1.98	3.01	0.94
Conv. Total (m3/s)	32624.5	Conv. (m3/s)	25733.3	6045.8	845.4
Length Wtd. (m)	19.60	Wetted Per. (m)	248.57	32.88	26.52
Min Ch El (m)	8.45	Shear (N/m2)	1.63	2.21	0.77
Alpha	1.06	Stream Power (N/m s)	20876.43	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	195.28	184.89	500.95
C & E Loss (m)	0.00	Cum SA (1000 m2)	130.14	57.01	234.14

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2500 Profile: 1:100 AÑOS

E.G. Elev (m)	13.51	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.50	Reach Len. (m)	19.74	20.00	20.05
Crit W.S. (m)	11.67	Flow Area (m2)	529.33	92.46	31.04
E.G. Slope (m/m)	0.000064	Area (m2)	529.33	92.46	31.04
Q Total (m3/s)	335.75	Flow (m3/s)	266.30	60.46	9.96
Top Width (m)	305.03	Top Width (m)	247.23	29.19	26.61
Vel Total (m/s)	0.52	Avg. Vel. (m/s)	0.51	0.65	0.32
Max Chi Dpth (m)	5.05	Hydr. Depth (m)	2.14	3.17	1.06
Conv. Total (m3/s)	36957.6	Conv. (m3/s)	29193.1	6576.8	1065.6
Length Wtd. (m)	19.60	Wetted Per. (m)	248.72	32.88	26.57
Min Ch El (m)	8.45	Shear (N/m2)	1.76	2.33	0.88
Alpha	1.05	Stream Power (N/m s)	20876.43	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	215.66	195.39	545.97
C & E Loss (m)	0.00	Cum SA (1000 m2)	131.57	57.01	237.26

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2400 Profile: 1:50 AÑOS

E.G. Elev (m)	13.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.34	Reach Len. (m)	20.06	20.00	20.03
Crit W.S. (m)	11.76	Flow Area (m2)	505.31	65.20	49.71
E.G. Slope (m/m)	0.000060	Area (m2)	505.31	65.20	49.71
Q Total (m3/s)	301.00	Flow (m3/s)	236.60	43.61	16.39
Top Width (m)	306.96	Top Width (m)	252.99	16.16	35.60
Vel Total (m/s)	0.49	Avg. Vel. (m/s)	0.47	0.67	0.37
Max Chi Dpth (m)	5.00	Hydr. Depth (m)	2.00	3.59	1.39
Conv. Total (m3/s)	33562.0	Conv. (m3/s)	26626.6	4804.5	2050.9
Length Wtd. (m)	20.03	Wetted Per. (m)	254.24	21.46	36.10
Min Ch El (m)	8.34	Shear (N/m2)	1.57	2.40	1.08
Alpha	1.07	Stream Power (N/m s)	19413.29	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	165.45	183.36	500.19
C & E Loss (m)	0.02	Cum SA (1000 m2)	125.20	56.54	233.50

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2540 Profile: 1:100 AÑOS

E.G. Elev (m)	13.51	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.50	Reach Len. (m)	20.77	20.00	19.63
Crit W.S. (m)	11.70	Flow Area (m2)	535.91	87.49	35.05
E.G. Slope (m/m)	0.000077	Area (m2)	535.91	87.49	35.05
Q Total (m3/s)	335.46	Flow (m3/s)	261.90	62.97	10.60
Top Width (m)	306.69	Top Width (m)	246.21	23.70	36.76
Vel Total (m/s)	0.51	Avg. Vel. (m/s)	0.49	0.72	0.30
Max Chl Dpth (m)	5.16	Hydr. Depth (m)	2.16	3.69	0.95
Conv. Total (m3/s)	36151.7	Conv. (m3/s)	29764.3	7161.5	1205.9
Length Wtd. (m)	20.59	Wetted Per. (m)	246.92	25.21	36.94
Min Ch El (m)	8.34	Shear (N/m2)	1.63	2.63	0.72
Alpha	1.10	Stream Power (N/m s)	16444.16	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	237.21	199.10	547.14
C & E Loss (m)	0.00	Cum SA (1000 m2)	141.57	56.12	236.59

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2520 Profile: 1:50 AÑOS

E.G. Elev (m)	13.36	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.34	Reach Len. (m)	20.30	20.00	20.06
Crit W.S. (m)	11.71	Flow Area (m2)	479.42	90.47	20.61
E.G. Slope (m/m)	0.000066	Area (m2)	479.42	90.47	20.61
Q Total (m3/s)	296.12	Flow (m3/s)	233.35	60.12	4.65
Top Width (m)	302.36	Top Width (m)	240.29	29.21	32.66
Vel Total (m/s)	0.50	Avg. Vel. (m/s)	0.49	0.66	0.23
Max Chl Dpth (m)	4.99	Hydr. Depth (m)	2.00	3.10	0.63
Conv. Total (m3/s)	32193.3	Conv. (m3/s)	25199.2	6491.9	502.2
Length Wtd. (m)	20.24	Wetted Per. (m)	242.12	31.77	32.96
Min Ch El (m)	6.35	Shear (N/m2)	1.67	2.39	0.53
Alpha	1.08	Stream Power (N/m s)	16669.74	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	205.13	166.66	501.43
C & E Loss (m)	0.00	Cum SA (1000 m2)	135.06	57.59	234.75

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2520 Profile: 1:100 AÑOS

E.G. Elev (m)	13.51	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.50	Reach Len. (m)	20.30	20.00	20.06
Crit W.S. (m)	11.77	Flow Area (m2)	517.04	95.05	25.76
E.G. Slope (m/m)	0.000066	Area (m2)	517.04	95.05	25.76
Q Total (m3/s)	337.11	Flow (m3/s)	265.01	65.38	6.72
Top Width (m)	302.66	Top Width (m)	240.29	29.21	33.16
Vel Total (m/s)	0.53	Avg. Vel. (m/s)	0.51	0.69	0.26
Max Chl Dpth (m)	5.15	Hydr. Depth (m)	2.15	3.25	0.76
Conv. Total (m3/s)	36340.1	Conv. (m3/s)	28567.9	7046.1	724.1
Length Wtd. (m)	20.24	Wetted Per. (m)	242.27	31.77	33.33
Min Ch El (m)	6.35	Shear (N/m2)	1.60	2.52	0.65
Alpha	1.07	Stream Power (N/m s)	16669.74	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	226.28	197.27	546.54
C & E Loss (m)	0.00	Cum SA (1000 m2)	136.52	57.59	237.90

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2560 Profile: 1:50 AÑOS

E.G. Elev (m)	13.36	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.34	Reach Len. (m)	20.46	20.00	19.64
Crit W.S. (m)	11.70	Flow Area (m2)	463.33	64.17	40.66
E.G. Slope (m/m)	0.000092	Area (m2)	463.33	64.17	40.66
Q Total (m3/s)	295.23	Flow (m3/s)	229.85	51.16	14.22
Top Width (m)	290.62	Top Width (m)	237.93	16.96	35.93
Vel Total (m/s)	0.52	Avg. Vel. (m/s)	0.50	0.60	0.35
Max Chl Dpth (m)	4.76	Hydr. Depth (m)	1.95	3.76	1.14
Conv. Total (m3/s)	30706.0	Conv. (m3/s)	23907.6	5321.1	1479.3
Length Wtd. (m)	20.34	Wetted Per. (m)	240.57	16.14	36.09
Min Ch El (m)	6.57	Shear (N/m2)	1.75	3.21	1.03
Alpha	1.14	Stream Power (N/m s)	23661.59	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	225.10	189.90	502.62
C & E Loss (m)	0.00	Cum SA (1000 m2)	145.09	56.53	236.01

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2560 Profile: 1:100 AÑOS

E.G. Elev (m)	13.52	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.50	Reach Len. (m)	20.46	20.00	19.64
Crit W.S. (m)	11.76	Flow Area (m2)	500.59	66.62	46.51
E.G. Slope (m/m)	0.000093	Area (m2)	500.59	66.62	46.51
Q Total (m3/s)	333.65	Flow (m3/s)	261.53	54.77	17.55
Top Width (m)	291.14	Top Width (m)	237.93	16.96	36.25
Vel Total (m/s)	0.54	Avg. Vel. (m/s)	0.52	0.62	0.36
Max Chl Dpth (m)	4.93	Hydr. Depth (m)	2.10	3.94	1.26
Conv. Total (m3/s)	34702.5	Conv. (m3/s)	27165.2	5693.2	1624.1
Length Wtd. (m)	20.34	Wetted Per. (m)	240.73	16.14	36.44
Min Ch El (m)	6.57	Shear (N/m2)	1.69	3.34	1.16
Alpha	1.12	Stream Power (N/m s)	23661.59	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	247.61	200.64	547.94
C & E Loss (m)	0.00	Cum SA (1000 m2)	146.52	56.53	239.31

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2540 Profile: 1:50 AÑOS

E.G. Elev (m)	13.36	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.34	Reach Len. (m)	20.77	20.00	19.63
Crit W.S. (m)	11.64	Flow Area (m2)	497.36	63.76	29.66
E.G. Slope (m/m)	0.000076	Area (m2)	497.36	63.76	29.66
Q Total (m3/s)	296.66	Flow (m3/s)	229.67	56.16	6.66
Top Width (m)	299.36	Top Width (m)	246.21	23.70	29.47
Vel Total (m/s)	0.49	Avg. Vel. (m/s)	0.46	0.69	0.30
Max Chl Dpth (m)	5.01	Hydr. Depth (m)	2.02	3.53	1.01
Conv. Total (m3/s)	33967.9	Conv. (m3/s)	26310.9	6662.4	1014.6
Length Wtd. (m)	20.59	Wetted Per. (m)	246.77	25.21	29.56
Min Ch El (m)	6.34	Shear (N/m2)	1.49	2.46	0.75
Alpha	1.11	Stream Power (N/m s)	16444.16	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	215.27	186.42	501.92
C & E Loss (m)	0.00	Cum SA (1000 m2)	140.14	56.12	235.36

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2000 Profile: 1:100 AÑOS

E.G. Elev (m)	13.53	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.49	Reach Len. (m)	20.71	20.00	19.52
Crit W.S. (m)	12.38	Flow Area (m2)	338.64	71.25	40.83
E.G. Slope (m/m)	0.000219	Area (m2)	338.64	71.25	40.83
Q Total (m3/s)	330.59	Flow (m3/s)	225.95	79.18	25.47
Top Width (m)	265.20	Top Width (m)	214.97	21.71	26.52
Vel Total (m/s)	0.73	Avg. Vel. (m/s)	0.67	1.11	0.62
Max Chl Dpth (m)	4.74	Hydr. Depth (m)	1.56	3.28	1.43
Conv. Total (m3/s)	22345.8	Conv. (m3/s)	15272.5	5351.8	1721.5
Length Wtd. (m)	20.46	Wetted Per. (m)	215.50	23.36	26.71
Min Ch El (m)	8.76	Shear (N/m2)	3.37	6.55	3.05
Alpha	1.17	Stream Power (N/m s)	17503.10	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	266.23	203.39	548.66
C & E Loss (m)	0.00	Cum SA (1000 m2)	156.12	59.28	240.49

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2500 Profile: 1:50 AÑOS

E.G. Elev (m)	13.36	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.34	Reach Len. (m)	20.57	20.00	19.60
Crit W.S. (m)	11.67	Flow Area (m2)	435.60	65.65	39.66
E.G. Slope (m/m)	0.000106	Area (m2)	435.60	65.65	39.66
Q Total (m3/s)	293.79	Flow (m3/s)	221.70	54.62	17.27
Top Width (m)	284.54	Top Width (m)	238.76	16.20	27.56
Vel Total (m/s)	0.54	Avg. Vel. (m/s)	0.51	0.84	0.44
Max Chl Dpth (m)	4.57	Hydr. Depth (m)	1.62	3.61	1.44
Conv. Total (m3/s)	28546.6	Conv. (m3/s)	21542.9	5327.5	1676.2
Length Wtd. (m)	20.42	Wetted Per. (m)	241.03	19.17	27.73
Min Ch El (m)	6.76	Shear (N/m2)	1.66	3.56	1.49
Alpha	1.14	Stream Power (N/m s)	23569.99	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	234.34	191.20	503.40
C & E Loss (m)	0.00	Cum SA (1000 m2)	149.99	56.66	236.63

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2500 Profile: 1:100 AÑOS

E.G. Elev (m)	13.52	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.50	Reach Len. (m)	20.57	20.00	19.60
Crit W.S. (m)	11.93	Flow Area (m2)	472.99	66.50	44.00
E.G. Slope (m/m)	0.000105	Area (m2)	472.99	66.50	44.00
Q Total (m3/s)	332.22	Flow (m3/s)	253.29	56.64	20.29
Top Width (m)	264.65	Top Width (m)	238.76	16.20	27.67
Vel Total (m/s)	0.57	Avg. Vel. (m/s)	0.54	0.86	0.46
Max Chl Dpth (m)	4.72	Hydr. Depth (m)	1.98	3.76	1.56
Conv. Total (m3/s)	32396.6	Conv. (m3/s)	24701.5	5716.4	1976.7
Length Wtd. (m)	20.42	Wetted Per. (m)	241.19	19.17	26.06
Min Ch El (m)	6.76	Shear (N/m2)	2.02	3.69	1.62
Alpha	1.12	Stream Power (N/m s)	23569.99	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	257.83	201.99	548.63
C & E Loss (m)	0.00	Cum SA (1000 m2)	151.43	56.66	239.94

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2620 Profile: 1:50 AÑOS

E.G. Elev (m)	13.36	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	13.34	Reach Len. (m)	19.44	20.00	19.53
Crit W.S. (m)	12.47	Flow Area (m2)	261.66	50.97	47.66
E.G. Slope (m/m)	0.000301	Area (m2)	261.66	50.97	47.66
Q Total (m3/s)	290.91	Flow (m3/s)	199.31	61.36	30.24
Top Width (m)	266.30	Top Width (m)	208.30	16.54	41.45
Vel Total (m/s)	0.76	Avg. Vel. (m/s)	0.71	1.20	0.63
Max Chl Dpth (m)	4.60	Hydr. Depth (m)	1.35	3.06	1.15
Conv. Total (m3/s)	16760.0	Conv. (m3/s)	11482.5	3535.0	1742.5
Length Wtd. (m)	19.56	Wetted Per. (m)	208.66	16.54	41.54
Min Ch El (m)	6.74	Shear (N/m2)	3.99	7.99	3.39
Alpha	1.16	Stream Power (N/m s)	16714.55	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	247.72	193.72	504.97
C & E Loss (m)	0.00	Cum SA (1000 m2)	158.74	59.66	237.65

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2620 Profile: 1:100 AÑOS

E.G. Elev (m)	13.53	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	13.50	Reach Len. (m)	19.44	20.00	19.53
Crit W.S. (m)	12.52	Flow Area (m2)	314.60	53.57	54.21
E.G. Slope (m/m)	0.000280	Area (m2)	314.60	53.57	54.21
Q Total (m3/s)	326.96	Flow (m3/s)	226.77	64.26	35.91
Top Width (m)	269.76	Top Width (m)	211.45	16.54	41.79
Vel Total (m/s)	0.76	Avg. Vel. (m/s)	0.73	1.20	0.66
Max Chl Dpth (m)	4.76	Hydr. Depth (m)	1.49	3.24	1.30
Conv. Total (m3/s)	19651.3	Conv. (m3/s)	13666.3	3640.0	2145.0
Length Wtd. (m)	19.57	Wetted Per. (m)	211.61	16.64	41.92
Min Ch El (m)	6.74	Shear (N/m2)	4.06	7.61	3.55
Alpha	1.15	Stream Power (N/m s)	16714.55	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	272.56	204.64	550.59
C & E Loss (m)	0.00	Cum SA (1000 m2)	160.27	59.66	241.17

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2600 Profile: 1:50 AÑOS

E.G. Elev (m)	13.37	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	13.34	Reach Len. (m)	20.71	20.00	19.52
Crit W.S. (m)	12.33	Flow Area (m2)	305.39	67.64	36.39
E.G. Slope (m/m)	0.000229	Area (m2)	305.39	67.64	36.39
Q Total (m3/s)	292.35	Flow (m3/s)	196.09	74.60	21.66
Top Width (m)	261.65	Top Width (m)	211.93	21.71	26.20
Vel Total (m/s)	0.71	Avg. Vel. (m/s)	0.64	1.10	0.60
Max Chl Dpth (m)	4.56	Hydr. Depth (m)	1.44	3.12	1.29
Conv. Total (m3/s)	19330.5	Conv. (m3/s)	12965.4	4832.6	1432.5
Length Wtd. (m)	20.47	Wetted Per. (m)	212.46	23.36	26.36
Min Ch El (m)	6.76	Shear (N/m2)	3.22	6.52	2.66
Alpha	1.20	Stream Power (N/m s)	17503.10	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	242.01	192.53	504.15
C & E Loss (m)	0.00	Cum SA (1000 m2)	154.66	59.26	237.17

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2660 Profile: 1:100 AÑOS

E.G. Elev (m)	13.55	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.50	Reach Len. (m)	19.63	20.00	19.71
Crit W.S. (m)	12.70	Flow Area (m2)	320.13	56.37	22.45
E.G. Slope (m/m)	0.000334	Area (m2)	320.13	56.37	22.45
Q Total (m3/s)	325.70	Flow (m3/s)	236.20	77.46	10.03
Top Width (m)	289.04	Top Width (m)	236.79	16.31	35.93
Vel Total (m/s)	0.82	Avg. Vel. (m/s)	0.74	1.37	0.45
Max Chl Dpth (m)	4.51	Hydr. Depth (m)	1.35	3.46	0.62
Conv. Total (m3/s)	17826.0	Conv. (m3/s)	13037.3	4239.6	549.1
Length Wtd. (m)	19.72	Wetted Per. (m)	237.05	16.45	36.60
Min Ch El (m)	8.99	Shear (N/m2)	4.42	10.00	2.01
Alpha	1.29	Stream Power (N/m s)	16857.65	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	265.25	207.03	552.09
C & E Loss (m)	0.00	Cum SA (1000 m2)	169.26	60.39	242.76

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2640 Profile: 1:50 AÑOS

E.G. Elev (m)	13.36	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.34	Reach Len. (m)	19.97	20.00	19.46
Crit W.S. (m)	12.55	Flow Area (m2)	265.95	61.70	31.76
E.G. Slope (m/m)	0.000316	Area (m2)	265.95	61.70	31.76
Q Total (m3/s)	289.47	Flow (m3/s)	195.50	77.67	16.10
Top Width (m)	290.66	Top Width (m)	230.37	19.73	40.57
Vel Total (m/s)	0.76	Avg. Vel. (m/s)	0.66	1.26	0.51
Max Chl Dpth (m)	4.50	Hydr. Depth (m)	1.24	3.13	0.76
Conv. Total (m3/s)	16285.7	Conv. (m3/s)	10999.0	4361.1	905.6
Length Wtd. (m)	19.94	Wetted Per. (m)	230.67	22.01	41.21
Min Ch El (m)	6.65	Shear (N/m2)	3.64	6.69	2.39
Alpha	1.30	Stream Power (N/m s)	16556.23	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	253.38	194.65	505.74
C & E Loss (m)	0.00	Cum SA (1000 m2)	163.12	60.02	236.65

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2640 Profile: 1:100 AÑOS

E.G. Elev (m)	13.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.50	Reach Len. (m)	19.97	20.00	19.46
Crit W.S. (m)	12.60	Flow Area (m2)	322.16	64.60	36.39
E.G. Slope (m/m)	0.000266	Area (m2)	322.16	64.60	36.39
Q Total (m3/s)	327.33	Flow (m3/s)	226.66	80.42	20.04
Top Width (m)	293.51	Top Width (m)	230.37	19.73	43.41
Vel Total (m/s)	0.77	Avg. Vel. (m/s)	0.70	1.24	0.52
Max Chl Dpth (m)	4.65	Hydr. Depth (m)	1.40	3.26	0.66
Conv. Total (m3/s)	19352.1	Conv. (m3/s)	13412.5	4754.5	1185.1
Length Wtd. (m)	19.93	Wetted Per. (m)	230.63	22.01	44.19
Min Ch El (m)	6.65	Shear (N/m2)	3.92	6.26	2.44
Alpha	1.25	Stream Power (N/m s)	16856.23	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	276.94	205.62	551.49
C & E Loss (m)	0.00	Cum SA (1000 m2)	164.66	60.02	242.00

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2660 Profile: 1:50 AÑOS

E.G. Elev (m)	13.40	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.35	Reach Len. (m)	19.64	20.00	19.70
Crit W.S. (m)	12.73	Flow Area (m2)	269.09	52.42	6.83
E.G. Slope (m/m)	0.000448	Area (m2)	269.09	52.42	6.83
Q Total (m3/s)	286.58	Flow (m3/s)	207.26	77.30	2.03
Top Width (m)	275.25	Top Width (m)	236.05	17.28	24.92
Vel Total (m/s)	0.87	Avg. Vel. (m/s)	0.77	1.47	0.30
Max Chl Dpth (m)	4.21	Hydr. Depth (m)	1.14	3.03	0.27
Conv. Total (m3/s)	13532.6	Conv. (m3/s)	9786.9	3650.0	95.7
Length Wtd. (m)	19.73	Wetted Per. (m)	236.11	19.26	25.02
Min Ch El (m)	9.13	Shear (N/m2)	5.01	11.97	1.20
Alpha	1.33	Stream Power (N/m s)	17251.54	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	264.39	197.06	506.46
C & E Loss (m)	0.00	Cum SA (1000 m2)	172.34	60.72	239.95

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2660 Profile: 1:100 AÑOS

E.G. Elev (m)	13.56	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.51	Reach Len. (m)	19.64	20.00	19.70
Crit W.S. (m)	12.76	Flow Area (m2)	306.31	55.13	10.95
E.G. Slope (m/m)	0.000399	Area (m2)	306.31	55.13	10.95
Q Total (m3/s)	324.07	Flow (m3/s)	240.64	79.29	3.94
Top Width (m)	283.72	Top Width (m)	236.62	17.28	27.82
Vel Total (m/s)	0.87	Avg. Vel. (m/s)	0.79	1.44	0.36
Max Chl Dpth (m)	4.37	Hydr. Depth (m)	1.28	3.19	0.39
Conv. Total (m3/s)	16224.2	Conv. (m3/s)	12057.5	3969.7	197.0
Length Wtd. (m)	19.73	Wetted Per. (m)	236.69	19.26	27.96
Min Ch El (m)	9.13	Shear (N/m2)	5.02	11.20	1.53
Alpha	1.28	Stream Power (N/m s)	17251.54	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	291.40	206.15	552.42
C & E Loss (m)	0.00	Cum SA (1000 m2)	173.93	60.72	243.41

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2660 Profile: 1:50 AÑOS

E.G. Elev (m)	13.39	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.35	Reach Len. (m)	19.63	20.00	19.71
Crit W.S. (m)	12.63	Flow Area (m2)	262.69	53.60	17.02
E.G. Slope (m/m)	0.000373	Area (m2)	262.69	53.60	17.02
Q Total (m3/s)	286.02	Flow (m3/s)	205.24	75.73	7.06
Top Width (m)	265.59	Top Width (m)	236.16	16.31	33.12
Vel Total (m/s)	0.81	Avg. Vel. (m/s)	0.73	1.41	0.41
Max Chl Dpth (m)	4.35	Hydr. Depth (m)	1.20	3.30	0.51
Conv. Total (m3/s)	14919.6	Conv. (m3/s)	10631.3	3922.7	365.5
Length Wtd. (m)	19.73	Wetted Per. (m)	236.30	16.45	33.61
Min Ch El (m)	8.99	Shear (N/m2)	4.36	10.66	1.85
Alpha	1.36	Stream Power (N/m s)	16857.65	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	256.97	196.00	506.22
C & E Loss (m)	0.00	Cum SA (1000 m2)	167.70	60.39	239.36

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2720 Profile: 1:100 AÑOS

E.G. Elev (m)	13.57	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.52	Reach Len. (m)	19.64	20.00	19.76
Crit W.S. (m)	12.66	Flow Area (m2)	291.76	52.41	7.60
E.G. Slope (m/m)	0.000469	Area (m2)	291.76	52.41	7.60
Q Total (m3/s)	320.60	Flow (m3/s)	236.06	61.00	3.75
Top Width (m)	275.34	Top Width (m)	245.53	16.42	13.40
Vel Total (m/s)	0.91	Avg. Vel. (m/s)	0.81	1.55	0.49
Max Chl Dpth (m)	4.43	Hydr. Depth (m)	1.19	3.19	0.57
Conv. Total (m3/s)	14817.7	Conv. (m3/s)	10903.3	3741.2	173.1
Length Wtd. (m)	19.73	Wetted Per. (m)	245.76	16.55	13.45
Min Ch El (m)	9.09	Shear (N/m2)	5.46	12.99	2.60
Alpha	1.31	Stream Power (N/m s)	19642.56	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	303.02	210.27	552.76
C & E Loss (m)	0.00	Cum SA (1000 m2)	163.36	61.39	244.06

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2700 Profile: 1:50 AÑOS

E.G. Elev (m)	13.41	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.35	Reach Len. (m)	19.56	20.00	19.67
Crit W.S. (m)	12.79	Flow Area (m2)	256.46	49.59	6.05
E.G. Slope (m/m)	0.000517	Area (m2)	256.46	49.59	6.05
Q Total (m3/s)	265.14	Flow (m3/s)	204.55	77.57	3.02
Top Width (m)	265.24	Top Width (m)	237.49	16.46	11.27
Vel Total (m/s)	0.91	Avg. Vel. (m/s)	0.60	1.56	0.50
Max Chl Dpth (m)	4.20	Hydr. Depth (m)	1.06	3.01	0.54
Conv. Total (m3/s)	12539.7	Conv. (m3/s)	8995.6	3411.2	132.6
Length Wtd. (m)	19.66	Wetted Per. (m)	237.63	16.55	11.32
Min Ch El (m)	9.15	Shear (N/m2)	5.47	13.55	2.71
Alpha	1.35	Stream Power (N/m s)	16192.35	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	269.54	196.06	506.56
C & E Loss (m)	0.00	Cum SA (1000 m2)	176.97	61.06	240.31

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2700 Profile: 1:100 AÑOS

E.G. Elev (m)	13.57	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.51	Reach Len. (m)	19.56	20.00	19.67
Crit W.S. (m)	12.64	Flow Area (m2)	293.77	52.17	7.95
E.G. Slope (m/m)	0.000456	Area (m2)	293.77	52.17	7.95
Q Total (m3/s)	322.43	Flow (m3/s)	239.17	79.25	4.01
Top Width (m)	269.77	Top Width (m)	240.02	16.46	13.27
Vel Total (m/s)	0.91	Avg. Vel. (m/s)	0.81	1.52	0.50
Max Chl Dpth (m)	4.36	Hydr. Depth (m)	1.22	3.17	0.60
Conv. Total (m3/s)	15099.4	Conv. (m3/s)	11200.0	3711.4	186.0
Length Wtd. (m)	19.67	Wetted Per. (m)	240.16	16.55	13.32
Min Ch El (m)	9.15	Shear (N/m2)	5.47	12.57	2.67
Alpha	1.26	Stream Power (N/m s)	16192.35	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	297.27	209.22	552.60
C & E Loss (m)	0.00	Cum SA (1000 m2)	176.61	61.06	243.62

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2740 Profile: 1:50 AÑOS

E.G. Elev (m)	13.43	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.36	Reach Len. (m)	19.54	20.00	20.01
Crit W.S. (m)	12.76	Flow Area (m2)	254.86	61.40	6.63
E.G. Slope (m/m)	0.000467	Area (m2)	254.86	61.40	6.63
Q Total (m3/s)	282.25	Flow (m3/s)	191.09	86.79	4.37
Top Width (m)	286.03	Top Width (m)	247.47	23.49	15.07
Vel Total (m/s)	0.87	Avg. Vel. (m/s)	0.75	1.41	0.51
Max Chl Dpth (m)	4.47	Hydr. Depth (m)	1.03	2.61	0.57
Conv. Total (m3/s)	12766.6	Conv. (m3/s)	8656.4	3832.3	196.1
Length Wtd. (m)	19.66	Wetted Per. (m)	247.75	25.57	15.11
Min Ch El (m)	6.91	Shear (N/m2)	4.91	11.47	2.73
Alpha	1.32	Stream Power (N/m s)	21376.71	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	279.52	200.19	506.64
C & E Loss (m)	0.00	Cum SA (1000 m2)	166.47	61.79	240.60

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2740 Profile: 1:100 AÑOS

E.G. Elev (m)	13.56	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.54	Reach Len. (m)	19.54	20.00	20.01
Crit W.S. (m)	12.63	Flow Area (m2)	292.95	65.00	11.13
E.G. Slope (m/m)	0.000427	Area (m2)	292.95	65.00	11.13
Q Total (m3/s)	319.17	Flow (m3/s)	224.24	69.29	5.64
Top Width (m)	290.64	Top Width (m)	249.57	23.49	17.56
Vel Total (m/s)	0.66	Avg. Vel. (m/s)	0.77	1.37	0.51
Max Chl Dpth (m)	4.63	Hydr. Depth (m)	1.17	2.77	0.63
Conv. Total (m3/s)	15453.7	Conv. (m3/s)	10657.3	4323.5	272.9
Length Wtd. (m)	19.67	Wetted Per. (m)	249.66	25.57	17.62
Min Ch El (m)	6.91	Shear (N/m2)	4.90	10.63	2.64
Alpha	1.26	Stream Power (N/m s)	21376.71	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	306.73	211.44	552.94
C & E Loss (m)	0.00	Cum SA (1000 m2)	166.22	61.79	244.39

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2720 Profile: 1:50 AÑOS

E.G. Elev (m)	13.42	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.36	Reach Len. (m)	19.64	20.00	19.76
Crit W.S. (m)	12.76	Flow Area (m2)	253.63	49.66	5.66
E.G. Slope (m/m)	0.000534	Area (m2)	253.63	49.66	5.66
Q Total (m3/s)	283.70	Flow (m3/s)	201.36	79.57	2.74
Top Width (m)	270.49	Top Width (m)	242.66	16.42	11.42
Vel Total (m/s)	0.92	Avg. Vel. (m/s)	0.79	1.60	0.46
Max Chl Dpth (m)	4.27	Hydr. Depth (m)	1.05	3.04	0.50
Conv. Total (m3/s)	12274.5	Conv. (m3/s)	8713.1	3442.7	116.7
Length Wtd. (m)	19.74	Wetted Per. (m)	242.91	16.55	11.46
Min Ch El (m)	9.09	Shear (N/m2)	5.47	14.06	2.60
Alpha	1.36	Stream Power (N/m s)	19642.56	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	274.55	199.06	506.70
C & E Loss (m)	0.00	Cum SA (1000 m2)	161.66	61.39	240.53

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2750 Profile: 1:100 AÑOS

E.G. Elev (m)	13.60	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.56	Reach Len. (m)	19.54	20.00	20.83
Crit W.S. (m)	12.60	Flow Area (m2)	334.93	80.32	46.26
E.G. Slope (m/m)	0.000206	Area (m2)	334.93	80.32	46.26
Q Total (m3/s)	315.91	Flow (m3/s)	163.29	101.76	30.86
Top Width (m)	323.10	Top Width (m)	275.06	20.17	27.87
Vel Total (m/s)	0.66	Avg. Vel. (m/s)	0.55	1.27	0.67
Max Chl Dpth (m)	4.62	Hydr. Depth (m)	1.22	3.98	1.66
Conv. Total (m3/s)	21886.7	Conv. (m3/s)	12699.7	7051.0	2136.0
Length Wtd. (m)	19.76	Wetted Per. (m)	276.06	20.84	26.33
Min Ch El (m)	8.94	Shear (N/m2)	2.46	7.87	3.34
Alpha	1.57	Stream Power (N/m s)	16663.60	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	320.92	214.30	554.12
C & E Loss (m)	0.00	Cum SA (1000 m2)	195.36	62.60	245.41

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2760 Profile: 1:50 AÑOS

E.G. Elev (m)	13.44	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.39	Reach Len. (m)	19.06	20.00	20.40
Crit W.S. (m)	12.73	Flow Area (m2)	276.94	67.50	24.34
E.G. Slope (m/m)	0.000317	Area (m2)	276.94	67.50	24.34
Q Total (m3/s)	260.51	Flow (m3/s)	169.33	96.93	14.55
Top Width (m)	306.50	Top Width (m)	263.66	16.64	23.96
Vel Total (m/s)	0.76	Avg. Vel. (m/s)	0.61	1.44	0.60
Max Chl Dpth (m)	4.47	Hydr. Depth (m)	1.05	3.62	1.01
Conv. Total (m3/s)	15764.0	Conv. (m3/s)	9516.0	5446.5	617.6
Length Wtd. (m)	19.42	Wetted Per. (m)	264.52	19.67	24.06
Min Ch El (m)	6.92	Shear (N/m2)	3.25	10.55	3.14
Alpha	1.65	Stream Power (N/m s)	17943.00	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	264.59	201.46	507.16
C & E Loss (m)	0.00	Cum SA (1000 m2)	191.35	62.21	241.19

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2760 Profile: 1:100 AÑOS

E.G. Elev (m)	13.59	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.55	Reach Len. (m)	19.06	20.00	20.40
Crit W.S. (m)	12.79	Flow Area (m2)	317.24	70.35	26.20
E.G. Slope (m/m)	0.000267	Area (m2)	317.24	70.35	26.20
Q Total (m3/s)	317.54	Flow (m3/s)	202.14	96.66	16.52
Top Width (m)	309.14	Top Width (m)	263.66	16.64	26.62
Vel Total (m/s)	0.76	Avg. Vel. (m/s)	0.64	1.41	0.59
Max Chl Dpth (m)	4.63	Hydr. Depth (m)	1.20	3.77	1.06
Conv. Total (m3/s)	16743.6	Conv. (m3/s)	11931.9	5836.7	975.0
Length Wtd. (m)	19.40	Wetted Per. (m)	264.67	19.67	26.71
Min Ch El (m)	6.92	Shear (N/m2)	3.37	9.97	2.97
Alpha	1.53	Stream Power (N/m s)	17943.00	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	314.55	212.79	553.34
C & E Loss (m)	0.00	Cum SA (1000 m2)	193.12	62.21	244.54

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2800 Profile: 1:50 AÑOS

E.G. Elev (m)	13.45	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.41	Reach Len. (m)	20.39	20.00	20.46
Crit W.S. (m)	12.59	Flow Area (m2)	299.30	62.67	54.25
E.G. Slope (m/m)	0.000254	Area (m2)	299.30	62.67	54.25
Q Total (m3/s)	277.93	Flow (m3/s)	162.46	84.43	31.03
Top Width (m)	352.79	Top Width (m)	268.53	16.33	47.93
Vel Total (m/s)	0.67	Avg. Vel. (m/s)	0.54	1.34	0.57
Max Chl Dpth (m)	4.64	Hydr. Depth (m)	1.04	3.65	1.13
Conv. Total (m3/s)	17451.7	Conv. (m3/s)	10201.3	5301.6	1948.6
Length Wtd. (m)	20.27	Wetted Per. (m)	269.46	17.32	48.51
Min Ch El (m)	8.77	Shear (N/m2)	2.57	9.02	2.76
Alpha	1.70	Stream Power (N/m s)	16961.70	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	296.20	204.33	508.66
C & E Loss (m)	0.00	Cum SA (1000 m2)	202.36	62.96	242.51

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2800 Profile: 1:100 AÑOS

E.G. Elev (m)	13.60	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.57	Reach Len. (m)	20.39	20.00	20.46
Crit W.S. (m)	12.74	Flow Area (m2)	343.05	65.34	61.54
E.G. Slope (m/m)	0.000227	Area (m2)	343.05	65.34	61.54
Q Total (m3/s)	314.26	Flow (m3/s)	192.97	65.24	36.07
Top Width (m)	353.09	Top Width (m)	268.53	16.33	48.24
Vel Total (m/s)	0.67	Avg. Vel. (m/s)	0.56	1.30	0.59
Max Chl Dpth (m)	4.60	Hydr. Depth (m)	1.19	4.00	1.26
Conv. Total (m3/s)	20846.9	Conv. (m3/s)	12601.4	5654.4	2393.0
Length Wtd. (m)	20.26	Wetted Per. (m)	269.61	17.32	48.55
Min Ch El (m)	6.77	Shear (N/m2)	2.64	6.40	2.81
Alpha	1.55	Stream Power (N/m s)	16961.70	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	327.64	215.76	555.22
C & E Loss (m)	0.00	Cum SA (1000 m2)	204.13	62.96	246.19

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2750 Profile: 1:50 AÑOS

E.G. Elev (m)	13.45	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.41	Reach Len. (m)	19.54	20.00	20.63
Crit W.S. (m)	12.47	Flow Area (m2)	293.42	77.27	42.05
E.G. Slope (m/m)	0.000225	Area (m2)	293.42	77.27	42.05
Q Total (m3/s)	279.37	Flow (m3/s)	152.79	99.13	27.45
Top Width (m)	323.06	Top Width (m)	275.06	20.17	27.63
Vel Total (m/s)	0.66	Avg. Vel. (m/s)	0.52	1.26	0.65
Max Chl Dpth (m)	4.47	Hydr. Depth (m)	1.07	3.63	1.51
Conv. Total (m3/s)	16632.2	Conv. (m3/s)	10190.1	6611.3	1630.6
Length Wtd. (m)	19.60	Wetted Per. (m)	275.91	20.64	26.17
Min Ch El (m)	6.94	Shear (N/m2)	2.34	6.17	3.29
Alpha	1.69	Stream Power (N/m s)	16663.60	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	290.16	202.93	507.67
C & E Loss (m)	0.00	Cum SA (1000 m2)	196.62	62.60	241.73

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2540 Profile: 1:100 AÑOS

E.G. Elev (m)	13.62	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.56	Reach Len. (m)	19.77	20.00	19.72
Crit W.S. (m)	12.93	Flow Area (m2)	267.35	66.77	41.75
E.G. Slope (m/m)	0.000401	Area (m2)	267.35	66.77	41.75
Q Total (m3/s)	311.02	Flow (m3/s)	170.62	111.31	29.08
Top Width (m)	343.02	Top Width (m)	265.59	16.60	36.62
Vel Total (m/s)	0.82	Avg. Vel. (m/s)	0.64	1.62	0.70
Max Chl Dpth (m)	4.76	Hydr. Depth (m)	0.94	3.70	1.06
Conv. Total (m3/s)	15534.4	Conv. (m3/s)	8522.1	5559.6	1452.5
Length Wtd. (m)	19.54	Wetted Per. (m)	265.66	20.19	39.15
Min Ch El (m)	5.76	Shear (N/m2)	3.66	13.39	4.19
Alpha	1.76	Stream Power (N/m s)	19076.32	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	339.60	216.38	557.12
C & E Loss (m)	0.00	Cum SA (1000 m2)	215.63	63.65	247.66

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2620 Profile: 1:50 AÑOS

E.G. Elev (m)	13.46	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.41	Reach Len. (m)	19.74	20.00	20.50
Crit W.S. (m)	12.76	Flow Area (m2)	254.96	61.69	36.47
E.G. Slope (m/m)	0.000408	Area (m2)	254.96	61.69	36.47
Q Total (m3/s)	276.46	Flow (m3/s)	155.49	97.99	23.00
Top Width (m)	351.06	Top Width (m)	294.97	16.73	39.36
Vel Total (m/s)	0.76	Avg. Vel. (m/s)	0.61	1.59	0.63
Max Chl Dpth (m)	4.97	Hydr. Depth (m)	0.86	3.69	0.93
Conv. Total (m3/s)	13690.6	Conv. (m3/s)	7699.6	4852.1	1136.9
Length Wtd. (m)	19.90	Wetted Per. (m)	295.65	16.67	40.21
Min Ch El (m)	5.44	Shear (N/m2)	3.45	13.07	3.63
Alpha	1.65	Stream Power (N/m s)	16706.26	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	301.66	205.56	509.79
C & E Loss (m)	0.01	Cum SA (1000 m2)	206.12	63.29	243.40

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2620 Profile: 1:100 AÑOS

E.G. Elev (m)	13.61	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.56	Reach Len. (m)	19.74	20.00	20.50
Crit W.S. (m)	12.94	Flow Area (m2)	300.57	64.27	42.56
E.G. Slope (m/m)	0.000347	Area (m2)	300.57	64.27	42.56
Q Total (m3/s)	312.65	Flow (m3/s)	166.56	96.76	27.30
Top Width (m)	351.39	Top Width (m)	294.97	16.73	39.70
Vel Total (m/s)	0.77	Avg. Vel. (m/s)	0.63	1.51	0.64
Max Chl Dpth (m)	5.12	Hydr. Depth (m)	1.02	3.64	1.07
Conv. Total (m3/s)	16766.3	Conv. (m3/s)	10126.3	5195.9	1466.1
Length Wtd. (m)	19.69	Wetted Per. (m)	295.61	16.67	40.56
Min Ch El (m)	5.44	Shear (N/m2)	3.46	11.56	3.57
Alpha	1.66	Stream Power (N/m s)	16706.26	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	334.19	217.05	556.29
C & E Loss (m)	0.00	Cum SA (1000 m2)	209.69	63.29	247.09

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2660 Profile: 1:50 AÑOS

E.G. Elev (m)	13.49	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	13.43	Reach Len. (m)	19.73	20.00	19.97
Crit W.S. (m)	12.77	Flow Area (m2)	210.22	81.61	33.19
E.G. Slope (m/m)	0.000472	Area (m2)	210.22	81.61	33.19
Q Total (m3/s)	273.60	Flow (m3/s)	130.92	119.21	23.47
Top Width (m)	327.54	Top Width (m)	263.17	30.35	34.32
Vel Total (m/s)	0.84	Avg. Vel. (m/s)	0.62	1.46	0.71
Max Chl Dpth (m)	4.31	Hydr. Depth (m)	0.60	2.69	0.97
Conv. Total (m3/s)	12599.2	Conv. (m3/s)	6026.6	5459.6	1081.0
Length Wtd. (m)	19.67	Wetted Per. (m)	263.43	31.57	34.36
Min Ch El (m)	9.12	Shear (N/m2)	3.69	11.95	4.47
Alpha	1.63	Stream Power (N/m s)	21763.64	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	310.67	206.33	511.19
C & E Loss (m)	0.00	Cum SA (1000 m2)	219.25	64.13	244.90

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2660 Profile: 1:100 AÑOS

E.G. Elev (m)	13.63	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	13.56	Reach Len. (m)	19.73	20.00	19.97
Crit W.S. (m)	12.65	Flow Area (m2)	249.36	86.11	36.45
E.G. Slope (m/m)	0.000406	Area (m2)	249.36	86.11	36.45
Q Total (m3/s)	309.39	Flow (m3/s)	161.39	121.25	26.74
Top Width (m)	331.16	Top Width (m)	264.25	30.35	36.56
Vel Total (m/s)	0.93	Avg. Vel. (m/s)	0.65	1.41	0.70
Max Chl Dpth (m)	4.45	Hydr. Depth (m)	0.94	2.64	1.05
Conv. Total (m3/s)	15319.2	Conv. (m3/s)	7991.1	6003.9	1324.2
Length Wtd. (m)	19.65	Wetted Per. (m)	264.52	31.57	36.61
Min Ch El (m)	9.12	Shear (N/m2)	3.77	10.91	4.20
Alpha	1.52	Stream Power (N/m s)	21763.64	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	344.90	219.93	557.92
C & E Loss (m)	0.00	Cum SA (1000 m2)	221.05	64.13	248.61

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2640 Profile: 1:50 AÑOS

E.G. Elev (m)	13.46	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	13.41	Reach Len. (m)	19.77	20.00	19.72
Crit W.S. (m)	12.91	Flow Area (m2)	222.92	65.67	35.72
E.G. Slope (m/m)	0.000475	Area (m2)	222.92	65.67	35.72
Q Total (m3/s)	275.04	Flow (m3/s)	137.67	112.61	24.57
Top Width (m)	341.39	Top Width (m)	264.26	16.60	36.51
Vel Total (m/s)	0.85	Avg. Vel. (m/s)	0.62	1.71	0.69
Max Chl Dpth (m)	4.62	Hydr. Depth (m)	0.76	3.54	0.93
Conv. Total (m3/s)	12616.1	Conv. (m3/s)	6314.7	5174.6	1126.6
Length Wtd. (m)	19.65	Wetted Per. (m)	264.56	20.19	36.60
Min Ch El (m)	8.76	Shear (N/m2)	3.65	15.20	4.29
Alpha	2.00	Stream Power (N/m s)	19076.32	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	306.40	206.65	510.50
C & E Loss (m)	0.00	Cum SA (1000 m2)	213.64	63.65	244.17

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2900 Profile: 1:100 AÑOS

E.G. Elev (m)	13.64	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.61	Reach Len. (m)	17.44	20.00	2.57
Crit W.S. (m)	10.66	Flow Area (m2)	172.11	253.75	25.36
E.G. Slope (m/m)	0.000131	Area (m2)	172.11	253.75	25.36
Q Total (m3/s)	306.12	Flow (m3/s)	55.56	241.55	6.99
Top Width (m)	319.49	Top Width (m)	220.90	70.26	26.32
Vel Total (m/s)	0.66	Avg. Vel. (m/s)	0.32	0.95	0.35
Max Chl Dpth (m)	4.47	Hydr. Depth (m)	0.76	3.61	0.90
Conv. Total (m3/s)	26740.4	Conv. (m3/s)	4655.1	21099.6	785.6
Length Wtd. (m)	16.76	Wetted Per. (m)	221.07	71.43	26.37
Min Ch El (m)	9.14	Shear (N/m2)	1.00	4.57	1.15
Alpha	1.60	Stream Power (N/m s)	25469.64	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	357.42	226.97	558.29
C & E Loss (m)	0.00	Cum SA (1000 m2)	235.32	66.23	248.99

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2660 Profile: 1:50 AÑOS

E.G. Elev (m)	13.50	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.45	Reach Len. (m)	40.76	20.00	6.99
Crit W.S. (m)	11.35	Flow Area (m2)	170.13	174.29	23.95
E.G. Slope (m/m)	0.000214	Area (m2)	170.13	174.29	23.95
Q Total (m3/s)	272.16	Flow (m3/s)	66.27	195.37	10.52
Top Width (m)	320.22	Top Width (m)	237.96	54.29	27.96
Vel Total (m/s)	0.74	Avg. Vel. (m/s)	0.38	1.12	0.44
Max Chl Dpth (m)	4.25	Hydr. Depth (m)	0.71	3.21	0.66
Conv. Total (m3/s)	16612.4	Conv. (m3/s)	4532.0	13361.2	719.3
Length Wtd. (m)	26.62	Wetted Per. (m)	236.14	55.42	26.01
Min Ch El (m)	9.20	Shear (N/m2)	1.50	6.59	1.79
Alpha	1.73	Stream Power (N/m s)	16206.23	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	316.43	210.66	511.44
C & E Loss (m)	0.00	Cum SA (1000 m2)	229.46	64.96	245.16

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2660 Profile: 1:100 AÑOS

E.G. Elev (m)	13.64	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.59	Reach Len. (m)	40.76	20.00	6.99
Crit W.S. (m)	11.69	Flow Area (m2)	204.04	162.01	26.09
E.G. Slope (m/m)	0.000207	Area (m2)	204.04	162.01	26.09
Q Total (m3/s)	307.75	Flow (m3/s)	66.11	206.63	12.61
Top Width (m)	323.54	Top Width (m)	236.96	54.29	30.26
Vel Total (m/s)	0.74	Avg. Vel. (m/s)	0.43	1.14	0.46
Max Chl Dpth (m)	4.40	Hydr. Depth (m)	0.65	3.35	0.93
Conv. Total (m3/s)	21370.0	Conv. (m3/s)	6116.1	14362.2	669.7
Length Wtd. (m)	27.70	Wetted Per. (m)	239.15	55.42	30.34
Min Ch El (m)	9.20	Shear (N/m2)	1.74	6.66	1.66
Alpha	1.66	Stream Power (N/m s)	16206.23	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	354.14	222.61	558.22
C & E Loss (m)	0.00	Cum SA (1000 m2)	231.31	64.96	248.92

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2920 Profile: 1:50 AÑOS

E.G. Elev (m)	13.51	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.48	Reach Len. (m)	5.08	20.00	3.66
Crit W.S. (m)	10.45	Flow Area (m2)	146.64	276.65	18.49
E.G. Slope (m/m)	0.000066	Area (m2)	146.64	276.65	18.49
Q Total (m3/s)	269.27	Flow (m3/s)	35.52	226.69	4.66
Top Width (m)	310.31	Top Width (m)	215.53	70.62	23.95
Vel Total (m/s)	0.61	Avg. Vel. (m/s)	0.24	0.62	0.26
Max Chl Dpth (m)	4.56	Hydr. Depth (m)	0.66	3.93	0.77
Conv. Total (m3/s)	26710.0	Conv. (m3/s)	3767.1	24404.9	517.9
Length Wtd. (m)	17.56	Wetted Per. (m)	215.76	72.56	24.00
Min Ch El (m)	8.69	Shear (N/m2)	0.59	3.31	0.66
Alpha	1.56	Stream Power (N/m s)	25304.95	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	321.66	220.29	511.57
C & E Loss (m)	0.00	Cum SA (1000 m2)	234.56	67.64	245.34

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2920 Profile: 1:100 AÑOS

E.G. Elev (m)	13.65	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.61	Reach Len. (m)	5.06	20.00	3.66
Crit W.S. (m)	10.57	Flow Area (m2)	176.65	266.49	21.97
E.G. Slope (m/m)	0.000093	Area (m2)	176.65	266.49	21.97
Q Total (m3/s)	304.49	Flow (m3/s)	49.53	245.70	6.27
Top Width (m)	313.27	Top Width (m)	216.36	70.62	26.09
Vel Total (m/s)	0.62	Avg. Vel. (m/s)	0.26	0.66	0.29
Max Chl Dpth (m)	4.72	Hydr. Depth (m)	0.62	4.07	0.64
Conv. Total (m3/s)	31059.5	Conv. (m3/s)	5149.4	25656.2	652.0
Length Wtd. (m)	17.02	Wetted Per. (m)	216.62	72.56	26.14
Min Ch El (m)	6.69	Shear (N/m2)	0.74	3.61	0.76
Alpha	1.59	Stream Power (N/m s)	25304.95	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	356.31	232.39	556.36
C & E Loss (m)	0.00	Cum SA (1000 m2)	236.43	67.64	249.09

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2900 Profile: 1:50 AÑOS

E.G. Elev (m)	13.50	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.47	Reach Len. (m)	17.44	20.00	2.57
Crit W.S. (m)	10.75	Flow Area (m2)	141.34	243.94	21.59
E.G. Slope (m/m)	0.000126	Area (m2)	141.34	243.94	21.59
Q Total (m3/s)	270.71	Flow (m3/s)	39.72	223.63	7.17
Top Width (m)	316.39	Top Width (m)	220.00	70.26	26.11
Vel Total (m/s)	0.67	Avg. Vel. (m/s)	0.26	0.92	0.33
Max Chl Dpth (m)	4.33	Hydr. Depth (m)	0.64	3.47	0.63
Conv. Total (m3/s)	23896.6	Conv. (m3/s)	3506.1	19757.6	632.9
Length Wtd. (m)	16.93	Wetted Per. (m)	220.16	71.43	26.16
Min Ch El (m)	9.14	Shear (N/m2)	0.61	4.30	1.04
Alpha	1.61	Stream Power (N/m s)	25469.64	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	321.14	215.07	511.50
C & E Loss (m)	0.00	Cum SA (1000 m2)	233.46	66.23	245.25

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3000 Profile: 1:100 AÑOS

E.G. Elev (m)	13.67	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.65	Reach Len. (m)	49.96	120.00	119.32
Crit W.S. (m)	11.27	Flow Area (m2)	124.66	52.76	361.79
E.G. Slope (m/m)	0.000120	Area (m2)	124.66	52.76	361.79
Q Total (m3/s)	301.23	Flow (m3/s)	42.05	45.61	213.56
Top Width (m)	324.57	Top Width (m)	140.56	15.20	165.81
Vel Total (m/s)	0.56	Avg. Vel. (m/s)	0.34	0.66	0.59
Max Chl Dpth (m)	4.33	Hydr. Depth (m)	0.69	3.47	2.14
Conv. Total (m3/s)	27513.0	Conv. (m3/s)	3641.1	4165.8	19506.1
Length Wtd. (m)	105.56	Wetted Per. (m)	140.63	16.05	175.66
Min Ch El (m)	9.03	Shear (N/m2)	1.04	3.66	2.42
Alpha	1.21	Stream Power (N/m s)	26372.76	0.00	0.00
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	376.53	246.97	592.60
C & E Loss (m)	0.00	Cum SA (1000 m2)	259.52	73.52	266.45

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2940 Profile: 1:50 AÑOS

E.G. Elev (m)	13.51	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.48	Reach Len. (m)	74.24	20.00	64.37
Crit W.S. (m)	11.64	Flow Area (m2)	145.92	141.66	120.19
E.G. Slope (m/m)	0.000204	Area (m2)	145.92	141.66	120.19
Q Total (m3/s)	267.63	Flow (m3/s)	62.92	123.25	61.66
Top Width (m)	295.04	Top Width (m)	169.00	60.66	68.19
Vel Total (m/s)	0.66	Avg. Vel. (m/s)	0.43	0.67	0.66
Max Chl Dpth (m)	4.42	Hydr. Depth (m)	0.66	2.33	1.76
Conv. Total (m3/s)	16747.7	Conv. (m3/s)	4404.2	6627.3	5716.2
Length Wtd. (m)	37.09	Wetted Per. (m)	169.36	63.66	70.52
Min Ch El (m)	9.13	Shear (N/m2)	1.72	4.45	3.41
Alpha	1.23	Stream Power (N/m s)	25577.42	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	332.74	224.50	516.04
C & E Loss (m)	0.00	Cum SA (1000 m2)	248.64	66.95	248.31

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 2940 Profile: 1:100 AÑOS

E.G. Elev (m)	13.65	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.62	Reach Len. (m)	74.24	20.00	64.37
Crit W.S. (m)	12.06	Flow Area (m2)	169.72	150.43	129.91
E.G. Slope (m/m)	0.000196	Area (m2)	169.72	150.43	129.91
Q Total (m3/s)	302.66	Flow (m3/s)	79.36	133.69	89.76
Top Width (m)	300.63	Top Width (m)	169.79	60.66	70.16
Vel Total (m/s)	0.67	Avg. Vel. (m/s)	0.47	0.69	0.69
Max Chl Dpth (m)	4.56	Hydr. Depth (m)	1.00	2.47	1.65
Conv. Total (m3/s)	21545.6	Conv. (m3/s)	5647.4	9511.1	6387.2
Length Wtd. (m)	35.53	Wetted Per. (m)	170.17	63.66	72.52
Min Ch El (m)	9.13	Shear (N/m2)	1.93	4.56	3.47
Alpha	1.21	Stream Power (N/m s)	25577.42	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	371.17	236.78	563.26
C & E Loss (m)	0.00	Cum SA (1000 m2)	250.77	66.95	252.19

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3060 Profile: 1:50 AÑOS

E.G. Elev (m)	13.56	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.46	Reach Len. (m)	20.00	20.00	19.63
Crit W.S. (m)	12.39	Flow Area (m2)	13.72	54.86	177.83
E.G. Slope (m/m)	0.000664	Area (m2)	13.72	54.86	177.83
Q Total (m3/s)	264.94	Flow (m3/s)	6.10	107.64	151.01
Top Width (m)	236.25	Top Width (m)	37.44	16.62	161.99
Vel Total (m/s)	1.08	Avg. Vel. (m/s)	0.44	1.97	0.85
Max Chl Dpth (m)	3.97	Hydr. Depth (m)	0.37	3.26	0.96
Conv. Total (m3/s)	10130.1	Conv. (m3/s)	233.1	4123.2	5773.6
Length Wtd. (m)	19.76	Wetted Per. (m)	37.67	17.97	164.96
Min Ch El (m)	9.65	Shear (N/m2)	2.44	20.48	6.45
Alpha	1.72	Stream Power (N/m s)	26653.47	7423.94	19151.15
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	340.21	237.10	548.46
C & E Loss (m)	0.02	Cum SA (1000 m2)	258.30	73.84	265.75

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3060 Profile: 1:100 AÑOS

E.G. Elev (m)	13.70	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.60	Reach Len. (m)	20.00	20.00	19.63
Crit W.S. (m)	12.92	Flow Area (m2)	19.22	57.33	204.63
E.G. Slope (m/m)	0.000611	Area (m2)	19.22	57.33	204.63
Q Total (m3/s)	299.60	Flow (m3/s)	10.09	109.72	179.79
Top Width (m)	237.20	Top Width (m)	37.44	16.62	162.95
Vel Total (m/s)	1.07	Avg. Vel. (m/s)	0.52	1.91	0.86
Max Chl Dpth (m)	4.12	Hydr. Depth (m)	0.51	3.41	1.12
Conv. Total (m3/s)	12116.1	Conv. (m3/s)	407.9	4437.3	7271.0
Length Wtd. (m)	19.76	Wetted Per. (m)	37.62	17.97	165.94
Min Ch El (m)	9.65	Shear (N/m2)	3.05	19.13	6.60
Alpha	1.00	Stream Power (N/m s)	26653.47	7423.94	19151.15
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	379.97	250.06	598.16
C & E Loss (m)	0.02	Cum SA (1000 m2)	260.30	73.84	269.90

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3060 Profile: 1:50 AÑOS

E.G. Elev (m)	13.53	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.51	Reach Len. (m)	49.96	120.00	119.32
Crit W.S. (m)	11.19	Flow Area (m2)	105.31	50.64	336.33
E.G. Slope (m/m)	0.000119	Area (m2)	105.31	50.64	336.33
Q Total (m3/s)	266.39	Flow (m3/s)	31.60	42.50	192.08
Top Width (m)	321.16	Top Width (m)	139.20	15.20	166.77
Vel Total (m/s)	0.54	Avg. Vel. (m/s)	0.30	0.84	0.57
Max Chl Dpth (m)	4.19	Hydr. Depth (m)	0.76	3.33	2.03
Conv. Total (m3/s)	24381.4	Conv. (m3/s)	2910.6	3890.0	17580.6
Length Wtd. (m)	107.24	Wetted Per. (m)	139.46	16.05	173.83
Min Ch El (m)	9.63	Shear (N/m2)	0.66	3.69	2.26
Alpha	1.22	Stream Power (N/m s)	26372.76	0.00	0.00
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	339.02	236.05	543.39
C & E Loss (m)	0.00	Cum SA (1000 m2)	256.54	73.52	262.32

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3120 Profile: 1:100 AÑOS

E.G. Elev (m)	13.72	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.66	Reach Len. (m)	20.00	20.00	19.59
Crit W.S. (m)	12.74	Flow Area (m2)	32.77	64.06	234.33
E.G. Slope (m/m)	0.000470	Area (m2)	32.77	64.06	234.33
Q Total (m3/s)	296.34	Flow (m3/s)	15.46	101.32	179.56
Top Width (m)	295.56	Top Width (m)	62.04	21.29	212.25
Vel Total (m/s)	0.89	Avg. Vel. (m/s)	0.47	1.58	0.77
Max Chl Dpth (m)	4.09	Hydr. Depth (m)	0.53	3.01	1.10
Conv. Total (m3/s)	13667.3	Conv. (m3/s)	713.0	4672.9	8281.3
Length Wtd. (m)	19.75	Wetted Per. (m)	62.13	21.94	214.65
Min Ch El (m)	9.99	Shear (N/m2)	2.43	13.46	5.03
Alpha	1.53	Stream Power (N/m s)	27164.43	6073.76	21066.27
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	360.62	252.58	606.94
C & E Loss (m)	0.00	Cum SA (1000 m2)	261.95	74.59	277.64

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3100 Profile: 1:50 AÑOS

E.G. Elev (m)	13.57	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.49	Reach Len. (m)	20.00	20.00	19.59
Crit W.S. (m)	12.54	Flow Area (m2)	11.69	61.64	200.96
E.G. Slope (m/m)	0.000506	Area (m2)	11.69	61.64	200.96
Q Total (m3/s)	263.50	Flow (m3/s)	4.39	107.20	151.92
Top Width (m)	247.66	Top Width (m)	32.70	16.76	196.36
Vel Total (m/s)	0.96	Avg. Vel. (m/s)	0.36	1.74	0.76
Max Chl Dpth (m)	3.97	Hydr. Depth (m)	0.36	3.26	1.02
Conv. Total (m3/s)	11665.3	Conv. (m3/s)	194.5	4753.7	6737.1
Length Wtd. (m)	19.77	Wetted Per. (m)	33.15	19.42	199.30
Min Ch El (m)	9.71	Shear (N/m2)	1.76	15.62	5.03
Alpha	1.69	Stream Power (N/m s)	26895.21	7567.10	21066.27
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	340.46	236.27	552.17
C & E Loss (m)	0.00	Cum SA (1000 m2)	259.01	74.19	269.45

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3100 Profile: 1:100 AÑOS

E.G. Elev (m)	13.71	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.63	Reach Len. (m)	20.00	20.00	19.59
Crit W.S. (m)	12.57	Flow Area (m2)	16.31	64.29	226.61
E.G. Slope (m/m)	0.000466	Area (m2)	16.31	64.29	226.61
Q Total (m3/s)	297.97	Flow (m3/s)	7.31	110.37	180.26
Top Width (m)	249.03	Top Width (m)	32.70	16.76	197.55
Vel Total (m/s)	0.96	Avg. Vel. (m/s)	0.45	1.72	0.79
Max Chl Dpth (m)	4.11	Hydr. Depth (m)	0.50	3.42	1.16
Conv. Total (m3/s)	13767.3	Conv. (m3/s)	337.6	5099.7	8329.6
Length Wtd. (m)	19.75	Wetted Per. (m)	33.29	19.42	200.47
Min Ch El (m)	9.71	Shear (N/m2)	2.25	15.20	5.24
Alpha	1.59	Stream Power (N/m s)	26895.21	7567.10	21066.27
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	360.33	251.29	602.41
C & E Loss (m)	0.00	Cum SA (1000 m2)	261.00	74.19	273.63

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3140 Profile: 1:50 AÑOS

E.G. Elev (m)	13.60	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.52	Reach Len. (m)	19.74	20.00	17.91
Crit W.S. (m)	12.46	Flow Area (m2)	20.41	72.66	163.76
E.G. Slope (m/m)	0.000622	Area (m2)	20.41	72.66	163.76
Q Total (m3/s)	260.62	Flow (m3/s)	10.34	116.09	132.16
Top Width (m)	296.32	Top Width (m)	42.63	26.63	226.66
Vel Total (m/s)	0.94	Avg. Vel. (m/s)	0.51	1.62	0.72
Max Chl Dpth (m)	3.92	Hydr. Depth (m)	0.46	2.52	0.61
Conv. Total (m3/s)	10446.0	Conv. (m3/s)	414.5	4734.3	5299.1
Length Wtd. (m)	16.65	Wetted Per. (m)	42.91	29.50	226.44
Min Ch El (m)	10.01	Shear (N/m2)	2.90	15.03	4.91
Alpha	1.66	Stream Power (N/m s)	27675.74	6486.97	22023.62
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	341.26	240.63	559.62
C & E Loss (m)	0.00	Cum SA (1000 m2)	260.91	75.10	277.35

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3140 Profile: 1:100 AÑOS

E.G. Elev (m)	13.73	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.66	Reach Len. (m)	19.74	20.00	17.91
Crit W.S. (m)	12.63	Flow Area (m2)	26.75	76.73	216.32
E.G. Slope (m/m)	0.000554	Area (m2)	26.75	76.73	216.32
Q Total (m3/s)	294.71	Flow (m3/s)	14.44	122.01	156.26
Top Width (m)	314.79	Top Width (m)	47.42	26.63	236.55
Vel Total (m/s)	0.92	Avg. Vel. (m/s)	0.54	1.59	0.73
Max Chl Dpth (m)	4.06	Hydr. Depth (m)	0.56	2.66	0.91
Conv. Total (m3/s)	12517.6	Conv. (m3/s)	613.3	5162.2	6722.0
Length Wtd. (m)	16.79	Wetted Per. (m)	47.65	29.50	240.33
Min Ch El (m)	10.01	Shear (N/m2)	3.05	14.14	4.88
Alpha	1.59	Stream Power (N/m s)	27675.74	6486.97	22023.62
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	361.41	253.96	610.96
C & E Loss (m)	0.00	Cum SA (1000 m2)	263.03	75.10	261.66

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3120 Profile: 1:50 AÑOS

E.G. Elev (m)	13.56	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.51	Reach Len. (m)	20.00	20.00	19.59
Crit W.S. (m)	12.66	Flow Area (m2)	24.27	61.05	204.46
E.G. Slope (m/m)	0.000529	Area (m2)	24.27	61.05	204.46
Q Total (m3/s)	262.06	Flow (m3/s)	10.35	99.16	152.55
Top Width (m)	290.11	Top Width (m)	56.36	21.29	210.46
Vel Total (m/s)	0.90	Avg. Vel. (m/s)	0.43	1.62	0.75
Max Chl Dpth (m)	3.95	Hydr. Depth (m)	0.42	2.67	0.97
Conv. Total (m3/s)	11399.0	Conv. (m3/s)	450.2	4313.1	6635.7
Length Wtd. (m)	19.76	Wetted Per. (m)	56.45	21.94	212.66
Min Ch El (m)	9.99	Shear (N/m2)	2.15	14.42	4.96
Alpha	1.63	Stream Power (N/m s)	27164.43	6073.76	21066.27
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	340.62	239.50	556.14
C & E Loss (m)	0.00	Cum SA (1000 m2)	259.92	74.59	273.44

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3100 Profile: 1:100 AÑOS

E.G. Elev (m)	14.17	Element	Left OB	Channel	Right OB
Vel Head (m)	0.53	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.64	Reach Len. (m)	24.30	20.00	19.29
Crit W.S. (m)	13.64	Flow Area (m2)	8.53	67.29	38.86
E.G. Slope (m/m)	0.002757	Area (m2)	8.53	67.29	38.86
Q Total (m3/s)	291.44	Flow (m3/s)	9.83	237.71	43.90
Top Width (m)	115.07	Top Width (m)	15.95	24.12	75.00
Vel Total (m/s)	2.54	Avg. Vel. (m/s)	1.15	3.53	1.13
Max Chl Dpth (m)	4.17	Hydr. Depth (m)	0.53	2.79	0.52
Conv. Total (m3/s)	5550.2	Conv. (m3/s)	157.2	4526.9	836.1
Length Wtd. (m)	20.12	Wetted Per. (m)	15.99	26.03	75.02
Min Ch El (m)	9.47	Shear (N/m2)	14.43	69.90	14.01
Alpha	1.61	Stream Power (N/m s)	31211.45	9575.56	15695.46
Frctn Loss (m)	0.06	Cum Volume (1000 m3)	352.12	256.77	614.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	264.30	76.19	285.76

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3160 Profile: 1:50 AÑOS

E.G. Elev (m)	13.93	Element	Left OB	Channel	Right OB
Vel Head (m)	0.52	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.42	Reach Len. (m)	20.64	20.00	19.44
Crit W.S. (m)	13.42	Flow Area (m2)	11.94	64.27	22.52
E.G. Slope (m/m)	0.003274	Area (m2)	11.94	64.27	22.52
Q Total (m3/s)	259.17	Flow (m3/s)	14.12	220.19	24.87
Top Width (m)	103.71	Top Width (m)	24.40	26.21	51.09
Vel Total (m/s)	2.63	Avg. Vel. (m/s)	1.16	3.43	1.10
Max Chl Dpth (m)	3.77	Hydr. Depth (m)	0.49	2.26	0.44
Conv. Total (m3/s)	4529.6	Conv. (m3/s)	246.7	3646.3	434.6
Length Wtd. (m)	19.66	Wetted Per. (m)	24.45	29.61	51.10
Min Ch El (m)	9.73	Shear (N/m2)	15.67	69.69	14.15
Alpha	1.47	Stream Power (N/m s)	29565.60	7181.66	14123.96
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	341.60	242.20	561.62
C & E Loss (m)	0.13	Cum SA (1000 m2)	261.61	75.67	280.05

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3160 Profile: 1:100 AÑOS

E.G. Elev (m)	14.06	Element	Left OB	Channel	Right OB
Vel Head (m)	0.53	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.53	Reach Len. (m)	20.64	20.00	19.44
Crit W.S. (m)	13.53	Flow Area (m2)	14.79	67.46	26.49
E.G. Slope (m/m)	0.003271	Area (m2)	14.79	67.46	26.49
Q Total (m3/s)	293.07	Flow (m3/s)	19.26	236.59	35.21
Top Width (m)	106.90	Top Width (m)	26.12	26.21	54.56
Vel Total (m/s)	2.65	Avg. Vel. (m/s)	1.30	3.54	1.24
Max Chl Dpth (m)	3.66	Hydr. Depth (m)	0.57	2.39	0.52
Conv. Total (m3/s)	5124.6	Conv. (m3/s)	337.1	4171.6	615.6
Length Wtd. (m)	19.65	Wetted Per. (m)	26.17	29.61	54.59
Min Ch El (m)	9.73	Shear (N/m2)	15.13	73.06	16.74
Alpha	1.50	Stream Power (N/m s)	29565.60	7181.66	14123.96
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	361.64	255.43	613.36
C & E Loss (m)	0.14	Cum SA (1000 m2)	263.79	75.67	264.53

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3200 Profile: 1:50 AÑOS

E.G. Elev (m)	14.10	Element	Left OB	Channel	Right OB
Vel Head (m)	0.20	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.90	Reach Len. (m)	20.94	20.00	17.01
Crit W.S. (m)	13.11	Flow Area (m2)	32.37	76.97	55.66
E.G. Slope (m/m)	0.000904	Area (m2)	32.37	76.97	55.66
Q Total (m3/s)	256.29	Flow (m3/s)	32.22	176.76	47.29
Top Width (m)	126.69	Top Width (m)	32.66	22.97	71.26
Vel Total (m/s)	1.55	Avg. Vel. (m/s)	1.00	2.30	0.85
Max Chl Dpth (m)	4.34	Hydr. Depth (m)	0.99	3.35	0.76
Conv. Total (m3/s)	6524.5	Conv. (m3/s)	1071.6	5879.6	1573.0
Length Wtd. (m)	19.63	Wetted Per. (m)	32.71	24.61	71.35
Min Ch El (m)	9.56	Shear (N/m2)	6.77	27.73	6.92
Alpha	1.62	Stream Power (N/m s)	32336.96	10626.66	17166.16
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	342.23	244.90	562.66
C & E Loss (m)	0.03	Cum SA (1000 m2)	262.57	76.66	262.44

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3200 Profile: 1:100 AÑOS

E.G. Elev (m)	14.23	Element	Left OB	Channel	Right OB
Vel Head (m)	0.21	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.02	Reach Len. (m)	20.94	20.00	17.01
Crit W.S. (m)	13.40	Flow Area (m2)	36.37	79.71	64.16
E.G. Slope (m/m)	0.000935	Area (m2)	36.37	79.71	64.16
Q Total (m3/s)	269.61	Flow (m3/s)	36.36	190.57	66.66
Top Width (m)	126.70	Top Width (m)	34.47	22.97	71.26
Vel Total (m/s)	1.61	Avg. Vel. (m/s)	1.06	2.39	0.95
Max Chl Dpth (m)	4.46	Hydr. Depth (m)	1.06	3.47	0.90
Conv. Total (m3/s)	9477.7	Conv. (m3/s)	1255.3	6232.1	1990.4
Length Wtd. (m)	19.54	Wetted Per. (m)	34.53	24.61	71.46
Min Ch El (m)	9.56	Shear (N/m2)	9.66	29.70	6.23
Alpha	1.56	Stream Power (N/m s)	32336.96	10626.66	17166.16
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	362.59	256.24	614.66
C & E Loss (m)	0.03	Cum SA (1000 m2)	264.63	76.66	267.02

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3100 Profile: 1:50 AÑOS

E.G. Elev (m)	14.04	Element	Left OB	Channel	Right OB
Vel Head (m)	0.52	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.52	Reach Len. (m)	24.30	20.00	19.29
Crit W.S. (m)	13.52	Flow Area (m2)	6.69	64.34	29.92
E.G. Slope (m/m)	0.002772	Area (m2)	6.69	64.34	29.92
Q Total (m3/s)	257.73	Flow (m3/s)	7.12	221.16	29.45
Top Width (m)	109.47	Top Width (m)	14.13	24.12	71.22
Vel Total (m/s)	2.55	Avg. Vel. (m/s)	1.06	3.44	0.96
Max Chl Dpth (m)	4.05	Hydr. Depth (m)	0.47	2.67	0.42
Conv. Total (m3/s)	4894.6	Conv. (m3/s)	135.3	4200.3	559.2
Length Wtd. (m)	20.10	Wetted Per. (m)	14.16	26.03	71.23
Min Ch El (m)	9.47	Shear (N/m2)	12.65	67.19	11.42
Alpha	1.56	Stream Power (N/m s)	31211.45	9675.56	15695.46
Frctn Loss (m)	0.06	Cum Volume (1000 m3)	341.62	243.49	562.13
C & E Loss (m)	0.00	Cum SA (1000 m2)	262.06	76.19	261.23

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3240 Profile: 1:100 AÑOS

E.G. Elev (m)	14.27	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.19	Reach Len. (m)	21.67	20.00	19.53
Crit W.S. (m)	12.40	Flow Area (m2)	63.56	155.46	35.23
E.G. Slope (m/m)	0.000290	Area (m2)	63.56	155.46	35.23
Q Total (m3/s)	266.55	Flow (m3/s)	63.22	205.91	17.41
Top Width (m)	164.05	Top Width (m)	73.21	46.00	42.84
Vel Total (m/s)	1.04	Avg. Vel. (m/s)	0.76	1.32	0.49
Max Chl Dpth (m)	4.26	Hydr. Depth (m)	1.14	3.24	0.62
Conv. Total (m3/s)	16637.1	Conv. (m3/s)	3714.9	12099.0	1023.2
Length Wtd. (m)	20.37	Wetted Per. (m)	74.74	46.33	43.33
Min Ch El (m)	9.93	Shear (N/m2)	3.16	9.14	2.31
Alpha	1.26	Stream Power (N/m s)	32560.51	9575.56	17755.04
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	365.66	262.37	617.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	267.06	77.67	269.27

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3220 Profile: 1:50 AÑOS

E.G. Elev (m)	14.12	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.02	Reach Len. (m)	23.44	20.00	19.52
Crit W.S. (m)	12.60	Flow Area (m2)	72.33	65.95	52.61
E.G. Slope (m/m)	0.000472	Area (m2)	72.33	65.95	52.61
Q Total (m3/s)	254.65	Flow (m3/s)	71.76	147.46	35.62
Top Width (m)	126.15	Top Width (m)	44.92	25.15	56.06
Vel Total (m/s)	1.21	Avg. Vel. (m/s)	0.99	1.72	0.66
Max Chl Dpth (m)	4.26	Hydr. Depth (m)	1.61	3.42	0.91
Conv. Total (m3/s)	11734.3	Conv. (m3/s)	3304.1	6769.9	1640.3
Length Wtd. (m)	20.62	Wetted Per. (m)	45.06	26.13	56.15
Min Ch El (m)	9.74	Shear (N/m2)	7.42	15.22	4.16
Alpha	1.40	Stream Power (N/m s)	31934.54	10533.13	16959.76
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	343.46	246.53	563.92
C & E Loss (m)	0.01	Cum SA (1000 m2)	263.46	77.14	263.71

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3220 Profile: 1:100 AÑOS

E.G. Elev (m)	14.25	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.14	Reach Len. (m)	23.44	20.00	19.52
Crit W.S. (m)	12.92	Flow Area (m2)	77.62	66.96	59.56
E.G. Slope (m/m)	0.000504	Area (m2)	77.62	66.96	59.56
Q Total (m3/s)	286.16	Flow (m3/s)	61.46	161.47	45.23
Top Width (m)	130.10	Top Width (m)	46.67	25.15	56.06
Vel Total (m/s)	1.27	Avg. Vel. (m/s)	1.05	1.61	0.76
Max Chl Dpth (m)	4.40	Hydr. Depth (m)	1.66	3.54	1.03
Conv. Total (m3/s)	12633.9	Conv. (m3/s)	3626.7	7196.7	2014.4
Length Wtd. (m)	20.62	Wetted Per. (m)	47.04	26.13	56.27
Min Ch El (m)	9.74	Shear (N/m2)	6.16	16.63	5.06
Alpha	1.39	Stream Power (N/m s)	31934.54	10533.13	16959.76
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	363.93	259.93	616.09
C & E Loss (m)	0.01	Cum SA (1000 m2)	265.76	77.14	266.26

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3260 Profile: 1:50 AÑOS

E.G. Elev (m)	14.14	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	14.06	Reach Len. (m)	20.62	20.00	19.52
Crit W.S. (m)	12.40	Flow Area (m2)	145.06	93.96	11.87
E.G. Slope (m/m)	0.000263	Area (m2)	145.06	93.96	11.87
Q Total (m3/s)	251.96	Flow (m3/s)	122.02	126.02	3.92
Top Width (m)	133.09	Top Width (m)	60.20	27.31	25.56
Vel Total (m/s)	1.00	Avg. Vel. (m/s)	0.84	1.34	0.33
Max Chl Dpth (m)	4.24	Hydr. Depth (m)	1.61	3.44	0.46
Conv. Total (m3/s)	14990.5	Conv. (m3/s)	7259.4	7497.6	233.3
Length Wtd. (m)	20.20	Wetted Per. (m)	60.95	26.13	26.20
Min Ch El (m)	9.64	Shear (N/m2)	4.97	9.25	1.25
Alpha	1.23	Stream Power (N/m s)	33266.00	9575.56	16611.57
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	347.32	251.32	565.13
C & E Loss (m)	0.00	Cum SA (1000 m2)	266.29	76.63	265.29

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3260 Profile: 1:100 AÑOS

E.G. Elev (m)	14.27	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	14.20	Reach Len. (m)	20.62	20.00	19.52
Crit W.S. (m)	12.50	Flow Area (m2)	155.77	97.32	15.26
E.G. Slope (m/m)	0.000306	Area (m2)	155.77	97.32	15.26
Q Total (m3/s)	264.92	Flow (m3/s)	139.70	139.60	5.62
Top Width (m)	147.66	Top Width (m)	90.42	27.31	29.93
Vel Total (m/s)	1.06	Avg. Vel. (m/s)	0.90	1.43	0.37
Max Chl Dpth (m)	4.36	Hydr. Depth (m)	1.72	3.56	0.51
Conv. Total (m3/s)	16226.4	Conv. (m3/s)	7956.3	7950.1	320.0
Length Wtd. (m)	20.20	Wetted Per. (m)	91.42	26.13	30.56
Min Ch El (m)	9.64	Shear (N/m2)	5.15	10.46	1.51
Alpha	1.25	Stream Power (N/m s)	33266.00	9575.56	16611.57
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	365.14	264.90	617.51
C & E Loss (m)	0.00	Cum SA (1000 m2)	266.77	76.63	269.96

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3240 Profile: 1:50 AÑOS

E.G. Elev (m)	14.14	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	14.07	Reach Len. (m)	21.67	20.00	19.53
Crit W.S. (m)	12.31	Flow Area (m2)	74.71	149.56	30.15
E.G. Slope (m/m)	0.000267	Area (m2)	74.71	149.56	30.15
Q Total (m3/s)	253.40	Flow (m3/s)	54.55	185.25	13.60
Top Width (m)	155.57	Top Width (m)	71.06	45.00	39.49
Vel Total (m/s)	1.00	Avg. Vel. (m/s)	0.73	1.24	0.45
Max Chl Dpth (m)	4.16	Hydr. Depth (m)	1.05	3.12	0.76
Conv. Total (m3/s)	15516.9	Conv. (m3/s)	3340.2	11343.7	633.0
Length Wtd. (m)	20.37	Wetted Per. (m)	72.37	45.33	39.95
Min Ch El (m)	9.93	Shear (N/m2)	2.70	6.09	1.97
Alpha	1.26	Stream Power (N/m s)	32560.51	9575.56	17755.04
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	345.05	246.69	564.72
C & E Loss (m)	0.00	Cum SA (1000 m2)	264.73	77.67	264.66

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3320 Profile: 1:100 AÑOS

E.G. Elev (m)	14.33	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.17	Reach Len. (m)	43.42	40.00	37.89
Crit W.S. (m)	12.99	Flow Area (m2)	78.45	86.16	33.87
E.G. Slope (m/m)	0.000689	Area (m2)	78.45	86.16	33.87
Q Total (m3/s)	281.86	Flow (m3/s)	80.14	182.27	19.24
Top Width (m)	150.22	Top Width (m)	62.06	23.75	64.42
Vel Total (m/s)	1.42	Avg. Vel. (m/s)	1.02	2.12	0.57
Max Chl Dpth (m)	4.21	Hydr. Depth (m)	1.26	3.63	0.53
Conv. Total (m3/s)	10733.9	Conv. (m3/s)	3054.3	6946.4	733.2
Length Wtd. (m)	41.22	Wetted Per. (m)	62.14	25.40	64.73
Min Ch El (m)	9.96	Shear (N/m2)	8.52	22.80	3.53
Alpha	1.60	Stream Power (N/m s)	33064.50	11299.17	18802.59
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	396.64	270.30	618.61
C & E Loss (m)	0.02	Cum SA (1000 m2)	274.20	80.20	292.22

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3260 Profile: 1:50 AÑOS

E.G. Elev (m)	14.15	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.07	Reach Len. (m)	25.37	20.00	19.15
Crit W.S. (m)	12.76	Flow Area (m2)	129.63	86.67	8.12
E.G. Slope (m/m)	0.000409	Area (m2)	129.63	86.67	8.12
Q Total (m3/s)	250.52	Flow (m3/s)	117.41	130.31	2.79
Top Width (m)	132.42	Top Width (m)	63.10	27.54	21.76
Vel Total (m/s)	1.12	Avg. Vel. (m/s)	0.91	1.50	0.34
Max Chl Dpth (m)	4.32	Hydr. Depth (m)	1.56	3.15	0.37
Conv. Total (m3/s)	12391.1	Conv. (m3/s)	5607.5	6445.4	136.1
Length Wtd. (m)	22.55	Wetted Per. (m)	63.29	26.84	22.26
Min Ch El (m)	9.76	Shear (N/m2)	6.24	12.04	1.46
Alpha	1.25	Stream Power (N/m s)	33406.36	9575.58	18857.19
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	350.60	253.13	565.32
C & E Loss (m)	0.00	Cum SA (1000 m2)	266.36	79.17	285.75

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3260 Profile: 1:100 AÑOS

E.G. Elev (m)	14.29	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.20	Reach Len. (m)	25.37	20.00	19.15
Crit W.S. (m)	12.85	Flow Area (m2)	139.99	90.06	11.04
E.G. Slope (m/m)	0.000436	Area (m2)	139.99	90.06	11.04
Q Total (m3/s)	283.29	Flow (m3/s)	135.49	143.48	4.32
Top Width (m)	135.61	Top Width (m)	65.30	27.54	25.76
Vel Total (m/s)	1.16	Avg. Vel. (m/s)	0.97	1.59	0.39
Max Chl Dpth (m)	4.44	Hydr. Depth (m)	1.64	3.27	0.43
Conv. Total (m3/s)	13565.7	Conv. (m3/s)	6485.1	6870.9	206.7
Length Wtd. (m)	22.59	Wetted Per. (m)	65.72	26.84	26.25
Min Ch El (m)	9.76	Shear (N/m2)	6.95	13.35	1.80
Alpha	1.26	Stream Power (N/m s)	33406.36	9575.58	18857.19
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	391.90	266.78	617.76
C & E Loss (m)	0.01	Cum SA (1000 m2)	271.00	79.17	290.51

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3360 Profile: 1:50 AÑOS

E.G. Elev (m)	14.23	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.12	Reach Len. (m)	51.72	60.00	57.23
Crit W.S. (m)	12.76	Flow Area (m2)	31.66	114.41	53.37
E.G. Slope (m/m)	0.000524	Area (m2)	31.66	114.41	53.37
Q Total (m3/s)	247.63	Flow (m3/s)	24.60	181.52	31.51
Top Width (m)	147.00	Top Width (m)	31.24	37.61	76.15
Vel Total (m/s)	1.24	Avg. Vel. (m/s)	0.77	1.67	0.59
Max Chl Dpth (m)	4.06	Hydr. Depth (m)	1.02	3.04	0.66
Conv. Total (m3/s)	10815.6	Conv. (m3/s)	1074.5	8364.8	1376.2
Length Wtd. (m)	55.17	Wetted Per. (m)	31.46	39.06	76.44
Min Ch El (m)	10.06	Shear (N/m2)	5.21	15.06	3.50
Alpha	1.48	Stream Power (N/m s)	32737.63	11586.44	19390.54
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	357.63	262.46	568.24
C & E Loss (m)	0.00	Cum SA (1000 m2)	273.66	82.04	291.46

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3360 Profile: 1:100 AÑOS

E.G. Elev (m)	14.37	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.25	Reach Len. (m)	51.72	60.00	57.23
Crit W.S. (m)	12.96	Flow Area (m2)	36.25	119.24	63.40
E.G. Slope (m/m)	0.000546	Area (m2)	36.25	119.24	63.40
Q Total (m3/s)	260.03	Flow (m3/s)	27.76	209.45	42.82
Top Width (m)	152.69	Top Width (m)	37.13	37.61	76.15
Vel Total (m/s)	1.26	Avg. Vel. (m/s)	0.77	1.76	0.66
Max Chl Dpth (m)	4.19	Hydr. Depth (m)	0.96	3.17	0.81
Conv. Total (m3/s)	11980.6	Conv. (m3/s)	1187.7	8961.3	1631.9
Length Wtd. (m)	55.10	Wetted Per. (m)	37.60	39.06	76.57
Min Ch El (m)	10.06	Shear (N/m2)	5.16	16.35	4.32
Alpha	1.49	Stream Power (N/m s)	32737.63	11586.44	19390.54
Frctn Loss (m)	0.04	Cum Volume (1000 m3)	399.61	276.46	621.40
C & E Loss (m)	0.00	Cum SA (1000 m2)	276.76	82.04	296.30

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3320 Profile: 1:50 AÑOS

E.G. Elev (m)	14.20	Element	Left OB	Channel	Right OB
Vel Head (m)	0.15	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.05	Reach Len. (m)	43.42	40.00	37.69
Crit W.S. (m)	12.65	Flow Area (m2)	71.21	83.26	26.01
E.G. Slope (m/m)	0.000646	Area (m2)	71.21	83.26	26.01
Q Total (m3/s)	249.08	Flow (m3/s)	70.35	166.72	12.01
Top Width (m)	144.62	Top Width (m)	56.45	23.75	64.42
Vel Total (m/s)	1.36	Avg. Vel. (m/s)	0.99	2.00	0.46
Max Chl Dpth (m)	4.09	Hydr. Depth (m)	1.26	3.51	0.40
Conv. Total (m3/s)	9902.8	Conv. (m3/s)	2766.7	6561.4	472.7
Length Wtd. (m)	41.22	Wetted Per. (m)	56.53	25.40	64.60
Min Ch El (m)	9.96	Shear (N/m2)	7.96	20.75	2.55
Alpha	1.56	Stream Power (N/m s)	33064.50	11299.17	18802.59
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	355.16	256.53	565.97
C & E Loss (m)	0.02	Cum SA (1000 m2)	271.39	80.20	287.36

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3420 Profile: 1:100 AÑOS

E.G. Elev (m)	14.39	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.34	Reach Len. (m)	21.46	20.00	16.96
Crit W.S. (m)	11.90	Flow Area (m2)	66.00	181.44	45.66
E.G. Slope (m/m)	0.000156	Area (m2)	66.00	181.44	45.66
Q Total (m3/s)	232.60	Flow (m3/s)	27.15	181.00	14.46
Top Width (m)	186.36	Top Width (m)	70.20	49.30	66.66
Vel Total (m/s)	0.79	Avg. Vel. (m/s)	0.40	1.05	0.32
Max Chl Dpth (m)	4.33	Hydr. Depth (m)	0.97	3.66	0.66
Conv. Total (m3/s)	16596.6	Conv. (m3/s)	2170.6	15269.5	1155.7
Length Wtd. (m)	20.06	Wetted Per. (m)	72.55	50.16	69.09
Min Ch El (m)	10.01	Shear (N/m2)	1.44	5.55	1.01
Alpha	1.50	Stream Power (N/m s)	32635.14	12160.96	21305.66
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	401.99	261.77	625.55
C & E Loss (m)	0.00	Cum SA (1000 m2)	279.03	63.55	301.12

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3400 Profile: 1:50 AÑOS

E.G. Elev (m)	14.25	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.19	Reach Len. (m)	21.37	20.00	35.05
Crit W.S. (m)	12.36	Flow Area (m2)	52.72	110.71	62.64
E.G. Slope (m/m)	0.000247	Area (m2)	52.72	110.71	62.64
Q Total (m3/s)	207.14	Flow (m3/s)	30.14	136.97	36.03
Top Width (m)	176.64	Top Width (m)	46.13	31.95	100.76
Vel Total (m/s)	0.64	Avg. Vel. (m/s)	0.57	1.26	0.46
Max Chl Dpth (m)	4.16	Hydr. Depth (m)	1.14	3.47	0.82
Conv. Total (m3/s)	13167.3	Conv. (m3/s)	1919.0	6647.3	2421.0
Length Wtd. (m)	22.47	Wetted Per. (m)	46.20	33.06	100.92
Min Ch El (m)	10.03	Shear (N/m2)	2.76	6.10	1.99
Alpha	1.62	Stream Power (N/m s)	31363.66	10563.76	20106.71
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	356.73	264.71	570.63
C & E Loss (m)	0.01	Cum SA (1000 m2)	274.49	62.74	294.60

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3400 Profile: 1:100 AÑOS

E.G. Elev (m)	14.39	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.32	Reach Len. (m)	21.37	20.00	35.05
Crit W.S. (m)	12.59	Flow Area (m2)	59.32	115.01	96.56
E.G. Slope (m/m)	0.000256	Area (m2)	59.32	115.01	96.56
Q Total (m3/s)	234.23	Flow (m3/s)	34.43	150.75	49.05
Top Width (m)	187.75	Top Width (m)	52.13	31.95	103.67
Vel Total (m/s)	0.66	Avg. Vel. (m/s)	0.58	1.31	0.51
Max Chl Dpth (m)	4.29	Hydr. Depth (m)	1.14	3.60	0.93
Conv. Total (m3/s)	14647.2	Conv. (m3/s)	2153.2	9426.5	3067.5
Length Wtd. (m)	22.65	Wetted Per. (m)	52.20	33.06	103.63
Min Ch El (m)	10.03	Shear (N/m2)	2.65	6.72	2.33
Alpha	1.62	Stream Power (N/m s)	31363.66	10563.76	20106.71
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	400.63	276.60	624.20
C & E Loss (m)	0.01	Cum SA (1000 m2)	277.72	62.74	299.49

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3440 Profile: 1:50 AÑOS

E.G. Elev (m)	14.27	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.16	Reach Len. (m)	20.11	20.00	3.40
Crit W.S. (m)	12.63	Flow Area (m2)	60.40	103.29	30.14
E.G. Slope (m/m)	0.000413	Area (m2)	60.40	103.29	30.14
Q Total (m3/s)	204.25	Flow (m3/s)	40.04	151.56	12.66
Top Width (m)	156.76	Top Width (m)	62.25	35.02	61.51
Vel Total (m/s)	1.05	Avg. Vel. (m/s)	0.66	1.47	0.42
Max Chl Dpth (m)	3.54	Hydr. Depth (m)	0.97	2.95	0.49
Conv. Total (m3/s)	10054.2	Conv. (m3/s)	1970.7	7460.3	623.2
Length Wtd. (m)	19.10	Wetted Per. (m)	62.36	35.92	61.69
Min Ch El (m)	10.34	Shear (N/m2)	3.92	11.64	1.96
Alpha	1.53	Stream Power (N/m s)	30676.61	11394.94	19151.15
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	361.15	270.35	571.66
C & E Loss (m)	0.01	Cum SA (1000 m2)	276.77	64.39	296.39

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3440 Profile: 1:100 AÑOS

E.G. Elev (m)	14.41	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.32	Reach Len. (m)	20.11	20.00	3.40
Crit W.S. (m)	12.63	Flow Area (m2)	66.79	106.01	36.63
E.G. Slope (m/m)	0.000411	Area (m2)	66.79	106.01	36.63
Q Total (m3/s)	230.97	Flow (m3/s)	49.54	162.91	16.52
Top Width (m)	161.72	Top Width (m)	62.25	35.02	64.45
Vel Total (m/s)	1.07	Avg. Vel. (m/s)	0.72	1.51	0.46
Max Chl Dpth (m)	3.96	Hydr. Depth (m)	1.11	3.06	0.60
Conv. Total (m3/s)	11394.5	Conv. (m3/s)	2444.2	6037.0	913.5
Length Wtd. (m)	16.64	Wetted Per. (m)	62.50	35.92	64.64
Min Ch El (m)	10.34	Shear (N/m2)	4.43	12.12	2.41
Alpha	1.51	Stream Power (N/m s)	30676.61	11394.94	19151.15
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	403.37	264.66	625.69
C & E Loss (m)	0.01	Cum SA (1000 m2)	260.36	64.39	301.35

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3420 Profile: 1:50 AÑOS

E.G. Elev (m)	14.25	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.21	Reach Len. (m)	21.46	20.00	16.96
Crit W.S. (m)	11.76	Flow Area (m2)	59.66	174.94	36.79
E.G. Slope (m/m)	0.000142	Area (m2)	59.66	174.94	36.79
Q Total (m3/s)	205.70	Flow (m3/s)	24.69	171.13	9.87
Top Width (m)	171.07	Top Width (m)	55.76	49.30	65.96
Vel Total (m/s)	0.76	Avg. Vel. (m/s)	0.41	0.98	0.27
Max Chl Dpth (m)	4.20	Hydr. Depth (m)	1.07	3.55	0.56
Conv. Total (m3/s)	17270.6	Conv. (m3/s)	2073.3	14365.4	628.9
Length Wtd. (m)	20.06	Wetted Per. (m)	57.66	50.16	66.20
Min Ch El (m)	10.01	Shear (N/m2)	1.44	4.65	0.77
Alpha	1.43	Stream Power (N/m s)	32635.14	12160.96	21305.66
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	359.94	267.56	571.76
C & E Loss (m)	0.00	Cum SA (1000 m2)	275.56	63.55	296.16

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3460 Profile: 1:100 AÑOS

E.G. Elev (m)	14.97	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.94	Reach Len. (m)	19.90	20.00	19.31
Crit W.S. (m)	13.66	Flow Area (m2)	224.63	61.16	43.69
E.G. Slope (m/m)	0.000217	Area (m2)	224.63	61.16	43.69
Q Total (m3/s)	227.71	Flow (m3/s)	121.16	67.57	18.97
Top Width (m)	274.60	Top Width (m)	195.22	26.60	52.96
Vel Total (m/s)	0.65	Avg. Vel. (m/s)	0.54	1.08	0.43
Max Chl Dpth (m)	4.46	Hydr. Depth (m)	1.15	3.05	0.63
Conv. Total (m3/s)	15456.7	Conv. (m3/s)	8225.4	5945.2	1286.1
Length Wtd. (m)	19.94	Wetted Per. (m)	195.53	27.63	53.14
Min Ch El (m)	10.45	Shear (N/m2)	2.45	6.25	1.76
Alpha	1.46	Stream Power (N/m s)	30996.71	6559.27	20106.71
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	406.42	267.46	626.39
C & E Loss (m)	0.11	Cum SA (1000 m2)	263.11	65.41	302.32

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3460 Profile: 1:50 AÑOS

E.G. Elev (m)	14.60	Element	Left OB	Channel	Right OB
Vel Head (m)	0.94	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.66	Reach Len. (m)	22.66	20.00	11.61
Crit W.S. (m)	13.66	Flow Area (m2)	1.62	45.10	2.46
E.G. Slope (m/m)	0.005463	Area (m2)	1.62	45.10	2.46
Q Total (m3/s)	202.61	Flow (m3/s)	2.29	196.53	3.99
Top Width (m)	26.40	Top Width (m)	3.65	20.29	4.46
Vel Total (m/s)	4.12	Avg. Vel. (m/s)	1.41	4.36	1.63
Max Chl Dpth (m)	3.17	Hydr. Depth (m)	0.44	2.22	0.55
Conv. Total (m3/s)	2739.0	Conv. (m3/s)	30.9	2654.1	53.9
Length Wtd. (m)	19.94	Wetted Per. (m)	3.76	21.33	4.60
Min Ch El (m)	10.46	Shear (N/m2)	23.24	113.72	26.73
Alpha	1.09	Stream Power (N/m s)	30120.07	14554.67	16757.26
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	361.66	271.63	572.07
C & E Loss (m)	0.26	Cum SA (1000 m2)	277.52	64.95	296.76

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3460 Profile: 1:100 AÑOS

E.G. Elev (m)	14.65	Element	Left OB	Channel	Right OB
Vel Head (m)	1.14	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	13.71	Reach Len. (m)	22.66	20.00	11.61
Crit W.S. (m)	13.71	Flow Area (m2)	1.64	46.22	2.71
E.G. Slope (m/m)	0.006422	Area (m2)	1.64	46.22	2.71
Q Total (m3/s)	229.34	Flow (m3/s)	2.91	221.51	4.92
Top Width (m)	29.64	Top Width (m)	4.66	20.29	4.69
Vel Total (m/s)	4.52	Avg. Vel. (m/s)	1.58	4.79	1.62
Max Chl Dpth (m)	3.23	Hydr. Depth (m)	0.39	2.26	0.56
Conv. Total (m3/s)	2961.9	Conv. (m3/s)	36.3	2764.3	61.4
Length Wtd. (m)	19.69	Wetted Per. (m)	4.61	21.33	4.63
Min Ch El (m)	10.46	Shear (N/m2)	24.12	136.47	35.32
Alpha	1.09	Stream Power (N/m s)	30120.07	14554.67	16757.26
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	404.17	286.21	625.94
C & E Loss (m)	0.31	Cum SA (1000 m2)	261.12	64.95	301.76

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3500 Profile: 1:50 AÑOS

E.G. Elev (m)	14.74	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.62	Reach Len. (m)	20.97	20.00	16.64
Crit W.S. (m)	13.49	Flow Area (m2)	32.32	105.57	14.42
E.G. Slope (m/m)	0.000643	Area (m2)	32.32	105.57	14.42
Q Total (m3/s)	199.93	Flow (m3/s)	17.16	173.46	9.30
Top Width (m)	157.26	Top Width (m)	79.47	51.65	26.16
Vel Total (m/s)	1.31	Avg. Vel. (m/s)	0.53	1.64	0.65
Max Chl Dpth (m)	4.10	Hydr. Depth (m)	0.41	2.04	0.55
Conv. Total (m3/s)	6966.7	Conv. (m3/s)	591.2	5975.0	320.5
Length Wtd. (m)	20.09	Wetted Per. (m)	79.49	52.92	26.46
Min Ch El (m)	10.51	Shear (N/m2)	3.36	16.49	4.50
Alpha	1.36	Stream Power (N/m s)	30264.96	10724.64	16672.36
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	365.70	274.61	572.76
C & E Loss (m)	0.02	Cum SA (1000 m2)	262.29	66.20	297.69

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3500 Profile: 1:100 AÑOS

E.G. Elev (m)	14.99	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.90	Reach Len. (m)	20.97	20.00	16.64
Crit W.S. (m)	13.62	Flow Area (m2)	55.67	120.41	22.54
E.G. Slope (m/m)	0.000569	Area (m2)	55.67	120.41	22.54
Q Total (m3/s)	226.06	Flow (m3/s)	33.62	177.40	14.65
Top Width (m)	165.54	Top Width (m)	64.44	51.65	29.45
Vel Total (m/s)	1.14	Avg. Vel. (m/s)	0.61	1.47	0.66
Max Chl Dpth (m)	4.39	Hydr. Depth (m)	0.66	2.33	0.77
Conv. Total (m3/s)	9480.5	Conv. (m3/s)	1416.3	7439.3	622.6
Length Wtd. (m)	20.09	Wetted Per. (m)	64.76	52.92	29.66
Min Ch El (m)	10.51	Shear (N/m2)	3.66	12.69	4.21
Alpha	1.36	Stream Power (N/m s)	30264.96	10724.64	16672.36
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	409.37	269.50	626.94
C & E Loss (m)	0.02	Cum SA (1000 m2)	266.04	66.20	303.01

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3400 Profile: 1:50 AÑOS

E.G. Elev (m)	14.70	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.66	Reach Len. (m)	19.90	20.00	19.31
Crit W.S. (m)	13.76	Flow Area (m2)	171.00	73.76	29.99
E.G. Slope (m/m)	0.000330	Area (m2)	171.00	73.76	29.99
Q Total (m3/s)	201.37	Flow (m3/s)	95.91	92.01	13.45
Top Width (m)	264.75	Top Width (m)	191.31	26.60	46.65
Vel Total (m/s)	0.73	Avg. Vel. (m/s)	0.56	1.25	0.45
Max Chl Dpth (m)	4.21	Hydr. Depth (m)	0.69	2.77	0.64
Conv. Total (m3/s)	11093.4	Conv. (m3/s)	5263.9	5066.6	741.0
Length Wtd. (m)	19.95	Wetted Per. (m)	191.60	27.63	47.00
Min Ch El (m)	10.45	Shear (N/m2)	2.66	6.62	2.06
Alpha	1.63	Stream Power (N/m s)	30996.71	6559.27	20106.71
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	363.57	273.02	572.36
C & E Loss (m)	0.09	Cum SA (1000 m2)	279.46	65.41	297.26

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3540 Profile: 1:100 AÑOS

E.G. Elev (m)	15.05	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.55	Reach Len. (m)	19.05	20.00	19.49
Crit W.S. (m)	14.00	Flow Area (m2)	19.63	80.75	54.27
E.G. Slope (m/m)	0.000671	Area (m2)	19.63	80.75	54.27
Q Total (m3/s)	222.82	Flow (m3/s)	9.05	165.07	47.67
Top Width (m)	152.70	Top Width (m)	60.75	25.51	63.33
Vel Total (m/s)	1.44	Avg. Vel. (m/s)	0.46	2.06	0.85
Max Chl Dpth (m)	4.17	Hydr. Depth (m)	0.32	2.52	0.86
Conv. Total (m3/s)	7546.3	Conv. (m3/s)	307.5	5625.9	1614.9
Length Wtd. (m)	19.55	Wetted Per. (m)	60.92	29.67	64.33
Min Ch El (m)	10.71	Shear (N/m2)	2.75	23.27	7.21
Alpha	1.60	Stream Power (N/m s)	25563.60	9575.55	17571.15
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	410.73	293.55	625.42
C & E Loss (m)	0.01	Cum SA (1000 m2)	255.90	87.51	304.79

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3520 Profile: 1:50 AÑOS

E.G. Elev (m)	14.77	Element	Left OB	Channel	Right OB
Vel Head (m)	0.15	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.50	Reach Len. (m)	20.59	20.00	19.45
Crit W.S. (m)	13.62	Flow Area (m2)	10.13	91.55	24.05
E.G. Slope (m/m)	0.001040	Area (m2)	10.13	91.55	24.05
Q Total (m3/s)	195.45	Flow (m3/s)	3.09	175.35	17.01
Top Width (m)	152.07	Top Width (m)	65.57	40.55	44.54
Vel Total (m/s)	1.55	Avg. Vel. (m/s)	0.31	1.95	0.71
Max Chl Dpth (m)	3.91	Hydr. Depth (m)	0.15	2.25	0.54
Conv. Total (m3/s)	6155.9	Conv. (m3/s)	96.0	5532.3	527.7
Length Wtd. (m)	20.00	Wetted Per. (m)	65.95	41.54	45.05
Min Ch El (m)	10.59	Shear (N/m2)	1.54	22.43	5.44
Alpha	1.39	Stream Power (N/m s)	25953.35	9575.55	17619.05
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	365.14	275.75	573.13
C & E Loss (m)	0.02	Cum SA (1000 m2)	253.50	87.12	295.55

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3520 Profile: 1:100 AÑOS

E.G. Elev (m)	15.02	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.59	Reach Len. (m)	20.59	20.00	19.45
Crit W.S. (m)	13.50	Flow Area (m2)	30.29	103.44	37.11
E.G. Slope (m/m)	0.000709	Area (m2)	30.29	103.44	37.11
Q Total (m3/s)	224.45	Flow (m3/s)	15.21	180.42	28.51
Top Width (m)	155.40	Top Width (m)	71.10	40.55	44.74
Vel Total (m/s)	1.31	Avg. Vel. (m/s)	0.50	1.74	0.75
Max Chl Dpth (m)	4.20	Hydr. Depth (m)	0.43	2.55	0.83
Conv. Total (m3/s)	5429.6	Conv. (m3/s)	571.2	5776.2	1082.2
Length Wtd. (m)	20.01	Wetted Per. (m)	71.19	41.54	45.37
Min Ch El (m)	10.59	Shear (N/m2)	2.95	17.27	5.59
Alpha	1.47	Stream Power (N/m s)	25953.35	9575.55	17619.05
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	410.25	291.73	627.53
C & E Loss (m)	0.01	Cum SA (1000 m2)	257.54	87.12	303.73

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3560 Profile: 1:50 AÑOS

E.G. Elev (m)	15.13	Element	Left OB	Channel	Right OB
Vel Head (m)	0.62	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	14.31	Reach Len. (m)	16.26	20.00	19.49
Crit W.S. (m)	14.31	Flow Area (m2)	1.24	46.32	3.92
E.G. Slope (m/m)	0.005236	Area (m2)	1.24	46.32	3.92
Q Total (m3/s)	195.60	Flow (m3/s)	1.72	189.02	4.86
Top Width (m)	35.61	Top Width (m)	2.67	22.33	10.61
Vel Total (m/s)	3.60	Avg. Vel. (m/s)	1.39	4.06	1.24
Max Chl Dpth (m)	3.54	Hydr. Depth (m)	0.46	2.07	0.37
Conv. Total (m3/s)	2703.3	Conv. (m3/s)	23.6	2612.3	67.2
Length Wtd. (m)	19.95	Wetted Per. (m)	2.64	23.35	10.64
Min Ch El (m)	10.77	Shear (N/m2)	22.41	101.67	18.93
Alpha	1.12	Stream Power (N/m s)	26116.44	9575.56	14746.39
Frctn Loss (m)	0.05	Cum Volume (1000 m3)	366.29	279.61	574.09
C & E Loss (m)	0.17	Cum SA (1000 m2)	265.23	66.32	300.36

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3560 Profile: 1:100 AÑOS

E.G. Elev (m)	15.34	Element	Left OB	Channel	Right OB
Vel Head (m)	0.67	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	14.46	Reach Len. (m)	16.26	20.00	19.49
Crit W.S. (m)	14.46	Flow Area (m2)	1.72	50.02	5.99
E.G. Slope (m/m)	0.005047	Area (m2)	1.72	50.02	5.99
Q Total (m3/s)	221.16	Flow (m3/s)	2.61	210.66	7.69
Top Width (m)	40.43	Top Width (m)	3.15	22.33	14.95
Vel Total (m/s)	3.63	Avg. Vel. (m/s)	1.52	4.22	1.26
Max Chl Dpth (m)	3.70	Hydr. Depth (m)	0.55	2.24	0.40
Conv. Total (m3/s)	3113.5	Conv. (m3/s)	36.6	2966.5	106.3
Length Wtd. (m)	19.69	Wetted Per. (m)	3.35	23.35	14.96
Min Ch El (m)	10.77	Shear (N/m2)	25.42	106.02	19.76
Alpha	1.16	Stream Power (N/m s)	26116.44	9575.56	14746.39
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	410.93	294.66	629.00
C & E Loss (m)	0.21	Cum SA (1000 m2)	269.46	66.32	305.55

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3540 Profile: 1:50 AÑOS

E.G. Elev (m)	14.61	Element	Left OB	Channel	Right OB
Vel Head (m)	0.24	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	14.57	Reach Len. (m)	19.06	20.00	19.49
Crit W.S. (m)	13.60	Flow Area (m2)	2.30	72.13	35.11
E.G. Slope (m/m)	0.001305	Area (m2)	2.30	72.13	35.11
Q Total (m3/s)	197.04	Flow (m3/s)	0.49	166.23	26.32
Top Width (m)	132.66	Top Width (m)	40.92	26.61	63.33
Vel Total (m/s)	1.60	Avg. Vel. (m/s)	0.21	2.33	0.81
Max Chl Dpth (m)	3.66	Hydr. Depth (m)	0.06	2.52	0.55
Conv. Total (m3/s)	5455.4	Conv. (m3/s)	13.6	4657.6	764.0
Length Wtd. (m)	19.93	Wetted Per. (m)	41.07	29.67	64.03
Min Ch El (m)	10.71	Shear (N/m2)	0.72	31.11	7.01
Alpha	1.46	Stream Power (N/m s)	26563.60	9575.56	17571.16
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	366.26	276.42	573.71
C & E Loss (m)	0.02	Cum SA (1000 m2)	264.63	67.61	299.64

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3500 Profile: 1:100 AÑOS

E.G. Elev (m)	15.45	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	15.40	Reach Len. (m)	19.67	20.00	20.62
Crit W.S. (m)	14.24	Flow Area (m2)	35.76	76.46	135.29
E.G. Slope (m/m)	0.000311	Area (m2)	35.76	76.46	135.29
Q Total (m3/s)	217.92	Flow (m3/s)	16.59	100.19	101.14
Top Width (m)	169.46	Top Width (m)	50.91	24.26	94.30
Vel Total (m/s)	0.66	Avg. Vel. (m/s)	0.46	1.31	0.75
Max Chl Dpth (m)	4.53	Hydr. Depth (m)	0.70	3.15	1.43
Conv. Total (m3/s)	12355.4	Conv. (m3/s)	940.7	5660.7	5734.1
Length Wtd. (m)	20.26	Wetted Per. (m)	51.02	25.46	94.35
Min Ch El (m)	10.67	Shear (N/m2)	2.14	9.15	4.37
Alpha	1.37	Stream Power (N/m s)	27456.72	6616.02	18517.72
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	411.94	297.57	632.90
C & E Loss (m)	0.00	Cum SA (1000 m2)	290.99	69.25	306.74

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3500 Profile: 1:50 AÑOS

E.G. Elev (m)	15.23	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	15.14	Reach Len. (m)	20.09	20.00	20.53
Crit W.S. (m)	14.49	Flow Area (m2)	21.51	65.92	95.66
E.G. Slope (m/m)	0.000564	Area (m2)	21.51	65.92	95.66
Q Total (m3/s)	194.16	Flow (m3/s)	10.32	106.73	75.11
Top Width (m)	166.02	Top Width (m)	45.33	23.45	97.24
Vel Total (m/s)	1.06	Avg. Vel. (m/s)	0.46	1.65	0.76
Max Chl Dpth (m)	4.29	Hydr. Depth (m)	0.47	2.61	0.99
Conv. Total (m3/s)	6177.0	Conv. (m3/s)	434.6	4579.1	3163.4
Length Wtd. (m)	20.11	Wetted Per. (m)	45.57	24.31	97.37
Min Ch El (m)	10.65	Shear (N/m2)	2.61	15.00	5.44
Alpha	1.56	Stream Power (N/m s)	26047.67	9575.56	19725.66
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	366.52	260.73	575.11
C & E Loss (m)	0.07	Cum SA (1000 m2)	265.71	66.76	301.46

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3500 Profile: 1:100 AÑOS

E.G. Elev (m)	15.44	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	15.37	Reach Len. (m)	20.09	20.00	20.53
Crit W.S. (m)	14.56	Flow Area (m2)	32.20	71.27	116.37
E.G. Slope (m/m)	0.000443	Area (m2)	32.20	71.27	116.37
Q Total (m3/s)	219.55	Flow (m3/s)	17.12	109.76	92.66
Top Width (m)	172.31	Top Width (m)	48.56	23.45	100.26
Vel Total (m/s)	0.99	Avg. Vel. (m/s)	0.53	1.54	0.76
Max Chl Dpth (m)	4.52	Hydr. Depth (m)	0.66	3.04	1.16
Conv. Total (m3/s)	10430.4	Conv. (m3/s)	613.3	5214.2	4402.9
Length Wtd. (m)	20.13	Wetted Per. (m)	48.63	24.31	100.42
Min Ch El (m)	10.65	Shear (N/m2)	2.67	12.74	5.12
Alpha	1.50	Stream Power (N/m s)	26047.67	9575.56	19725.66
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	411.27	296.10	630.26
C & E Loss (m)	0.06	Cum SA (1000 m2)	290.00	66.76	306.73

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3620 Profile: 1:50 AÑOS

E.G. Elev (m)	15.25	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	15.21	Reach Len. (m)	17.73	20.00	42.10
Crit W.S. (m)	12.77	Flow Area (m2)	34.04	169.40	53.94
E.G. Slope (m/m)	0.000136	Area (m2)	34.04	169.40	53.94
Q Total (m3/s)	191.27	Flow (m3/s)	9.57	159.28	22.42
Top Width (m)	152.67	Top Width (m)	55.04	49.16	46.67
Vel Total (m/s)	0.74	Avg. Vel. (m/s)	0.28	0.94	0.42
Max Chl Dpth (m)	4.26	Hydr. Depth (m)	0.62	3.45	1.11
Conv. Total (m3/s)	16415.0	Conv. (m3/s)	621.1	13669.5	1924.4
Length Wtd. (m)	26.15	Wetted Per. (m)	55.31	49.66	46.72
Min Ch El (m)	10.96	Shear (N/m2)	0.62	4.52	1.47
Alpha	1.36	Stream Power (N/m s)	24862.96	6616.02	17610.56
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	367.51	284.51	500.66
C & E Loss (m)	0.00	Cum SA (1000 m2)	267.55	69.99	306.31

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3620 Profile: 1:100 AÑOS

E.G. Elev (m)	15.46	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	15.42	Reach Len. (m)	17.73	20.00	42.10
Crit W.S. (m)	12.90	Flow Area (m2)	45.75	179.60	64.52
E.G. Slope (m/m)	0.000132	Area (m2)	45.75	179.60	64.52
Q Total (m3/s)	216.29	Flow (m3/s)	14.96	173.25	26.09
Top Width (m)	160.19	Top Width (m)	57.79	49.16	53.24
Vel Total (m/s)	0.75	Avg. Vel. (m/s)	0.33	0.96	0.44
Max Chl Dpth (m)	4.46	Hydr. Depth (m)	0.79	3.65	1.21
Conv. Total (m3/s)	16613.2	Conv. (m3/s)	1301.1	15069.2	2442.9
Length Wtd. (m)	26.41	Wetted Per. (m)	56.07	49.66	53.29
Min Ch El (m)	10.96	Shear (N/m2)	1.02	4.67	1.57
Alpha	1.40	Stream Power (N/m s)	24862.96	6616.02	17610.56
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	412.66	300.13	637.10
C & E Loss (m)	0.00	Cum SA (1000 m2)	291.95	69.99	311.64

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3600 Profile: 1:50 AÑOS

E.G. Elev (m)	15.24	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	15.16	Reach Len. (m)	19.67	20.00	20.62
Crit W.S. (m)	14.16	Flow Area (m2)	25.16	71.26	115.54
E.G. Slope (m/m)	0.000361	Area (m2)	25.16	71.26	115.54
Q Total (m3/s)	192.72	Flow (m3/s)	10.33	85.95	66.43
Top Width (m)	162.21	Top Width (m)	46.05	24.26	69.91
Vel Total (m/s)	0.91	Avg. Vel. (m/s)	0.41	1.35	0.75
Max Chl Dpth (m)	4.31	Hydr. Depth (m)	0.52	2.94	1.29
Conv. Total (m3/s)	10146.4	Conv. (m3/s)	544.1	5051.6	4550.7
Length Wtd. (m)	20.25	Wetted Per. (m)	46.15	25.46	69.95
Min Ch El (m)	10.67	Shear (N/m2)	1.65	9.69	4.54
Alpha	1.41	Stream Power (N/m s)	27456.72	6616.02	18517.72
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	366.96	262.10	577.29
C & E Loss (m)	0.00	Cum SA (1000 m2)	266.64	69.25	303.39

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3660 Profile: 1:100 AÑOS

E.G. Elev (m)	15.50	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	15.36	Reach Len. (m)	22.53	20.00	11.91
Crit W.S. (m)	14.27	Flow Area (m2)	44.02	89.21	26.40
E.G. Slope (m/m)	0.000699	Area (m2)	44.02	89.21	26.40
Q Total (m3/s)	213.03	Flow (m3/s)	26.52	163.71	22.80
Top Width (m)	141.51	Top Width (m)	77.79	31.36	32.64
Vel Total (m/s)	1.32	Avg. Vel. (m/s)	0.60	1.84	0.80
Max Chl Dpth (m)	4.25	Hydr. Depth (m)	0.57	2.64	0.87
Conv. Total (m3/s)	6056.1	Conv. (m3/s)	1002.9	6191.0	662.2
Length Wtd. (m)	19.42	Wetted Per. (m)	77.66	32.94	32.66
Min Ch El (m)	11.11	Shear (N/m2)	3.86	16.57	5.96
Alpha	1.56	Stream Power (N/m s)	16935.40	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	414.97	305.43	637.96
C & E Loss (m)	0.02	Cum SA (1000 m2)	294.92	91.54	312.66

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3640 Profile: 1:50 AÑOS

E.G. Elev (m)	15.26	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	15.20	Reach Len. (m)	20.05	20.00	7.16
Crit W.S. (m)	13.16	Flow Area (m2)	48.66	122.37	39.13
E.G. Slope (m/m)	0.000250	Area (m2)	48.66	122.37	39.13
Q Total (m3/s)	189.63	Flow (m3/s)	20.64	146.93	20.27
Top Width (m)	145.32	Top Width (m)	67.93	37.29	40.10
Vel Total (m/s)	0.90	Avg. Vel. (m/s)	0.42	1.22	0.52
Max Chl Dpth (m)	4.11	Hydr. Depth (m)	0.72	3.26	0.96
Conv. Total (m3/s)	12006.2	Conv. (m3/s)	1305.4	9420.7	1262.1
Length Wtd. (m)	16.57	Wetted Per. (m)	66.09	36.67	40.15
Min Ch El (m)	11.09	Shear (N/m2)	1.76	7.76	2.39
Alpha	1.49	Stream Power (N/m s)	20540.46	6616.02	16757.26
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	366.34	267.42	561.20
C & E Loss (m)	0.01	Cum SA (1000 m2)	266.76	90.65	306.63

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3640 Profile: 1:100 AÑOS

E.G. Elev (m)	15.47	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	15.41	Reach Len. (m)	20.05	20.00	7.16
Crit W.S. (m)	13.41	Flow Area (m2)	63.37	130.16	46.01
E.G. Slope (m/m)	0.000232	Area (m2)	63.37	130.16	46.01
Q Total (m3/s)	214.66	Flow (m3/s)	29.69	159.22	25.55
Top Width (m)	152.72	Top Width (m)	70.69	37.29	44.74
Vel Total (m/s)	0.89	Avg. Vel. (m/s)	0.47	1.22	0.53
Max Chl Dpth (m)	4.32	Hydr. Depth (m)	0.90	3.49	1.07
Conv. Total (m3/s)	14079.3	Conv. (m3/s)	1960.4	10443.0	1675.9
Length Wtd. (m)	16.41	Wetted Per. (m)	70.67	36.67	44.79
Min Ch El (m)	11.09	Shear (N/m2)	2.04	7.67	2.44
Alpha	1.49	Stream Power (N/m s)	20540.46	6616.02	16757.26
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	413.76	303.23	637.51
C & E Loss (m)	0.01	Cum SA (1000 m2)	293.24	90.65	312.20

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3650 Profile: 1:50 AÑOS

E.G. Elev (m)	15.37	Element	Left OB	Channel	Right OB
Vel Head (m)	0.31	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	15.06	Reach Len. (m)	19.60	20.00	20.19
Crit W.S. (m)	14.36	Flow Area (m2)	4.13	71.66	6.59
E.G. Slope (m/m)	0.001763	Area (m2)	4.13	71.66	6.59
Q Total (m3/s)	186.95	Flow (m3/s)	2.30	176.96	5.66
Top Width (m)	62.30	Top Width (m)	16.51	32.02	13.77
Vel Total (m/s)	2.27	Avg. Vel. (m/s)	0.56	2.50	0.86
Max Chl Dpth (m)	3.91	Hydr. Depth (m)	0.25	2.24	0.46
Conv. Total (m3/s)	4427.6	Conv. (m3/s)	54.6	4239.1	134.1
Length Wtd. (m)	20.00	Wetted Per. (m)	16.55	33.62	13.80
Min Ch El (m)	11.15	Shear (N/m2)	4.36	37.27	6.34
Alpha	1.16	Stream Power (N/m s)	16196.64	9956.60	15320.92
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	369.50	291.01	561.64
C & E Loss (m)	0.04	Cum SA (1000 m2)	291.30	92.17	367.45

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3650 Profile: 1:100 AÑOS

E.G. Elev (m)	15.57	Element	Left OB	Channel	Right OB
Vel Head (m)	0.31	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	15.26	Reach Len. (m)	19.60	20.00	20.19
Crit W.S. (m)	14.50	Flow Area (m2)	9.25	76.14	9.67
E.G. Slope (m/m)	0.001633	Area (m2)	9.25	76.14	9.67
Q Total (m3/s)	211.40	Flow (m3/s)	4.47	197.69	9.04
Top Width (m)	91.70	Top Width (m)	43.00	32.02	16.67
Vel Total (m/s)	2.16	Avg. Vel. (m/s)	0.46	2.53	0.94
Max Chl Dpth (m)	4.11	Hydr. Depth (m)	0.22	2.44	0.56
Conv. Total (m3/s)	5231.1	Conv. (m3/s)	110.5	4896.9	223.7
Length Wtd. (m)	20.00	Wetted Per. (m)	43.07	33.62	16.71
Min Ch El (m)	11.15	Shear (N/m2)	3.44	37.23	9.26
Alpha	1.27	Stream Power (N/m s)	16196.64	9956.60	15320.92
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	415.50	307.10	636.35
C & E Loss (m)	0.05	Cum SA (1000 m2)	296.11	92.17	313.15

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3650 Profile: 1:50 AÑOS

E.G. Elev (m)	15.30	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	15.14	Reach Len. (m)	22.53	20.00	11.91
Crit W.S. (m)	14.12	Flow Area (m2)	27.03	62.23	21.67
E.G. Slope (m/m)	0.000647	Area (m2)	27.03	62.23	21.67
Q Total (m3/s)	186.39	Flow (m3/s)	13.29	157.32	17.76
Top Width (m)	134.06	Top Width (m)	74.64	31.36	27.64
Vel Total (m/s)	1.44	Avg. Vel. (m/s)	0.49	1.91	0.82
Max Chl Dpth (m)	4.03	Hydr. Depth (m)	0.36	2.62	0.76
Conv. Total (m3/s)	6471.6	Conv. (m3/s)	456.6	5404.3	610.6
Length Wtd. (m)	19.41	Wetted Per. (m)	74.93	32.94	27.66
Min Ch El (m)	11.11	Shear (N/m2)	3.00	20.75	6.46
Alpha	1.52	Stream Power (N/m s)	16935.40	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	369.20	289.47	561.56
C & E Loss (m)	0.03	Cum SA (1000 m2)	290.39	91.54	367.03

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3720 Profile: 1:100 AÑOS

E.G. Elev (m)	16.13	Element	Left OB	Channel	Right OB
Vel Head (m)	0.60	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	15.53	Reach Len. (m)	19.44	20.00	17.57
Crit W.S. (m)	15.53	Flow Area (m2)	21.15	41.45	16.16
E.G. Slope (m/m)	0.002309	Area (m2)	21.15	41.45	16.16
Q Total (m3/s)	205.14	Flow (m3/s)	23.90	160.18	24.06
Top Width (m)	70.34	Top Width (m)	35.51	11.01	23.62
Vel Total (m/s)	2.56	Avg. Vel. (m/s)	1.13	3.66	1.33
Max Chl Dpth (m)	4.35	Hydr. Depth (m)	0.60	3.77	0.76
Conv. Total (m3/s)	4331.3	Conv. (m3/s)	497.3	3333.3	500.7
Length Wtd. (m)	19.76	Wetted Per. (m)	35.70	12.29	24.12
Min Ch El (m)	11.17	Shear (N/m2)	13.42	76.44	17.04
Alpha	1.76	Stream Power (N/m s)	23225.06	6616.02	13597.32
Frctn Loss (m)	0.05	Cum Volume (1000 m3)	415.90	309.27	636.72
C & E Loss (m)	0.02	Cum SA (1000 m2)	297.21	92.92	313.76

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3700 Profile: 1:50 AÑOS

E.G. Elev (m)	15.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.73	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.61	Reach Len. (m)	19.70	20.00	21.12
Crit W.S. (m)	14.43	Flow Area (m2)	3.51	46.16	4.10
E.G. Slope (m/m)	0.003154	Area (m2)	3.51	46.16	4.10
Q Total (m3/s)	165.50	Flow (m3/s)	3.10	176.32	4.06
Top Width (m)	37.10	Top Width (m)	10.60	15.90	10.41
Vel Total (m/s)	3.45	Avg. Vel. (m/s)	0.66	3.66	1.00
Max Chl Dpth (m)	3.62	Hydr. Depth (m)	0.33	2.90	0.39
Conv. Total (m3/s)	3302.9	Conv. (m3/s)	55.2	3175.1	72.7
Length Wtd. (m)	20.03	Wetted Per. (m)	10.67	17.29	10.57
Min Ch El (m)	11.19	Shear (N/m2)	10.00	62.63	12.00
Alpha	1.21	Stream Power (N/m s)	16127.43	0.00	0.00
Frctn Loss (m)	0.05	Cum Volume (1000 m3)	369.56	262.19	561.96
C & E Loss (m)	0.13	Cum SA (1000 m2)	291.57	92.65	307.71

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3700 Profile: 1:100 AÑOS

E.G. Elev (m)	15.76	Element	Left OB	Channel	Right OB
Vel Head (m)	0.60	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	14.97	Reach Len. (m)	19.70	20.00	21.12
Crit W.S. (m)	14.66	Flow Area (m2)	5.71	46.70	5.92
E.G. Slope (m/m)	0.003249	Area (m2)	5.71	46.70	5.92
Q Total (m3/s)	209.77	Flow (m3/s)	5.25	197.76	6.76
Top Width (m)	45.36	Top Width (m)	16.92	15.90	12.54
Vel Total (m/s)	3.46	Avg. Vel. (m/s)	0.92	4.06	1.14
Max Chl Dpth (m)	3.76	Hydr. Depth (m)	0.34	3.06	0.47
Conv. Total (m3/s)	3660.0	Conv. (m3/s)	92.1	3469.4	116.6
Length Wtd. (m)	20.04	Wetted Per. (m)	16.99	17.29	12.70
Min Ch El (m)	11.19	Shear (N/m2)	10.71	69.77	14.65
Alpha	1.29	Stream Power (N/m s)	16127.43	0.00	0.00
Frctn Loss (m)	0.04	Cum Volume (1000 m3)	415.64	306.37	636.51
C & E Loss (m)	0.15	Cum SA (1000 m2)	296.70	92.65	313.46

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3740 Profile: 1:50 AÑOS

E.G. Elev (m)	16.05	Element	Left OB	Channel	Right OB
Vel Head (m)	0.22	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	15.53	Reach Len. (m)	19.60	20.00	20.57
Crit W.S. (m)	14.54	Flow Area (m2)	25.73	43.96	49.90
E.G. Slope (m/m)	0.000665	Area (m2)	25.73	43.96	49.90
Q Total (m3/s)	162.62	Flow (m3/s)	23.25	111.39	47.97
Top Width (m)	90.30	Top Width (m)	26.72	10.70	50.66
Vel Total (m/s)	1.53	Avg. Vel. (m/s)	0.90	2.53	0.96
Max Chl Dpth (m)	4.63	Hydr. Depth (m)	0.90	4.11	0.96
Conv. Total (m3/s)	6210.3	Conv. (m3/s)	790.6	3766.2	1631.4
Length Wtd. (m)	20.06	Wetted Per. (m)	29.06	11.73	51.36
Min Ch El (m)	11.20	Shear (N/m2)	7.51	31.76	8.24
Alpha	1.63	Stream Power (N/m s)	22021.15	0.00	0.00
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	370.04	293.63	562.70
C & E Loss (m)	0.06	Cum SA (1000 m2)	292.36	93.14	306.63

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3740 Profile: 1:100 AÑOS

E.G. Elev (m)	16.19	Element	Left OB	Channel	Right OB
Vel Head (m)	0.22	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	15.96	Reach Len. (m)	19.60	20.00	20.57
Crit W.S. (m)	14.97	Flow Area (m2)	29.91	45.49	57.24
E.G. Slope (m/m)	0.000666	Area (m2)	29.91	45.49	57.24
Q Total (m3/s)	206.50	Flow (m3/s)	29.03	116.10	59.36
Top Width (m)	92.99	Top Width (m)	30.11	10.70	52.19
Vel Total (m/s)	1.56	Avg. Vel. (m/s)	0.97	2.60	1.04
Max Chl Dpth (m)	4.76	Hydr. Depth (m)	0.99	4.25	1.10
Conv. Total (m3/s)	7010.6	Conv. (m3/s)	995.5	4009.4	2015.9
Length Wtd. (m)	20.06	Wetted Per. (m)	30.45	11.73	52.70
Min Ch El (m)	11.20	Shear (N/m2)	6.36	32.99	9.24
Alpha	1.77	Stream Power (N/m s)	22021.15	0.00	0.00
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	416.40	310.14	639.50
C & E Loss (m)	0.04	Cum SA (1000 m2)	297.65	93.14	314.56

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3720 Profile: 1:50 AÑOS

E.G. Elev (m)	15.96	Element	Left OB	Channel	Right OB
Vel Head (m)	0.63	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	15.13	Reach Len. (m)	19.44	20.00	17.57
Crit W.S. (m)	15.13	Flow Area (m2)	9.20	37.12	10.29
E.G. Slope (m/m)	0.003316	Area (m2)	9.20	37.12	10.29
Q Total (m3/s)	164.06	Flow (m3/s)	9.64	159.56	14.64
Top Width (m)	46.61	Top Width (m)	21.95	11.01	15.64
Vel Total (m/s)	3.25	Avg. Vel. (m/s)	1.07	4.30	1.42
Max Chl Dpth (m)	3.96	Hydr. Depth (m)	0.42	3.37	0.65
Conv. Total (m3/s)	3195.6	Conv. (m3/s)	170.9	2770.5	254.2
Length Wtd. (m)	19.66	Wetted Per. (m)	22.13	12.29	16.14
Min Ch El (m)	11.17	Shear (N/m2)	13.53	86.29	20.75
Alpha	1.54	Stream Power (N/m s)	23225.06	6616.02	13597.32
Frctn Loss (m)	0.06	Cum Volume (1000 m3)	369.70	293.02	562.06
C & E Loss (m)	0.03	Cum SA (1000 m2)	291.66	92.92	307.94

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3750 Profile: 1:100 AÑOS

E.G. Elev (m)	16.23	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	16.10	Reach Len. (m)	19.38	20.00	20.21
Crit W.S. (m)	14.38	Flow Area (m2)	12.52	96.97	37.39
E.G. Slope (m/m)	0.000470	Area (m2)	12.52	96.97	37.39
Q Total (m3/s)	203.24	Flow (m3/s)	6.60	169.68	26.76
Top Width (m)	65.62	Top Width (m)	19.05	29.06	37.71
Vel Total (m/s)	1.37	Avg. Vel. (m/s)	0.54	1.71	0.72
Max Chl Dpth (m)	4.63	Hydr. Depth (m)	0.66	3.41	0.99
Conv. Total (m3/s)	9375.4	Conv. (m3/s)	313.6	7827.4	1234.4
Length Wtd. (m)	20.01	Wetted Per. (m)	19.20	30.04	37.93
Min Ch El (m)	11.27	Shear (N/m2)	3.00	15.19	4.54
Alpha	1.36	Stream Power (N/m s)	20691.56	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	417.02	313.56	641.27
C & E Loss (m)	0.00	Cum SA (1000 m2)	295.63	94.16	316.36

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3760 Profile: 1:50 AÑOS

E.G. Elev (m)	16.07	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	15.96	Reach Len. (m)	19.41	20.00	20.14
Crit W.S. (m)	14.40	Flow Area (m2)	6.69	94.73	34.66
E.G. Slope (m/m)	0.000509	Area (m2)	6.69	94.73	34.66
Q Total (m3/s)	181.16	Flow (m3/s)	4.69	153.76	22.71
Top Width (m)	65.57	Top Width (m)	14.16	32.01	42.39
Vel Total (m/s)	1.31	Avg. Vel. (m/s)	0.54	1.62	0.65
Max Chl Dpth (m)	4.73	Hydr. Depth (m)	0.61	2.96	0.82
Conv. Total (m3/s)	6031.0	Conv. (m3/s)	207.9	6616.5	1006.7
Length Wtd. (m)	19.96	Wetted Per. (m)	14.29	33.13	42.66
Min Ch El (m)	11.23	Shear (N/m2)	3.04	14.27	4.06
Alpha	1.34	Stream Power (N/m s)	21431.33	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	370.38	295.22	563.55
C & E Loss (m)	0.01	Cum SA (1000 m2)	292.60	93.57	309.57

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3760 Profile: 1:100 AÑOS

E.G. Elev (m)	16.22	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	16.09	Reach Len. (m)	19.41	20.00	20.14
Crit W.S. (m)	14.59	Flow Area (m2)	10.66	99.00	40.43
E.G. Slope (m/m)	0.000532	Area (m2)	10.66	99.00	40.43
Q Total (m3/s)	204.67	Flow (m3/s)	6.36	169.22	29.29
Top Width (m)	91.41	Top Width (m)	15.47	32.01	43.93
Vel Total (m/s)	1.36	Avg. Vel. (m/s)	0.60	1.71	0.72
Max Chl Dpth (m)	4.66	Hydr. Depth (m)	0.69	3.09	0.92
Conv. Total (m3/s)	6661.4	Conv. (m3/s)	275.9	7335.8	1269.7
Length Wtd. (m)	19.96	Wetted Per. (m)	15.59	33.13	44.22
Min Ch El (m)	11.23	Shear (N/m2)	3.57	15.60	4.77
Alpha	1.34	Stream Power (N/m s)	21431.33	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	416.80	311.58	640.46
C & E Loss (m)	0.01	Cum SA (1000 m2)	295.30	93.57	315.53

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3500 Profile: 1:50 AÑOS

E.G. Elev (m)	16.11	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	15.94	Reach Len. (m)	19.37	20.00	19.76
Crit W.S. (m)	14.64	Flow Area (m2)	11.34	75.74	26.93
E.G. Slope (m/m)	0.000716	Area (m2)	11.34	75.74	26.93
Q Total (m3/s)	175.29	Flow (m3/s)	5.66	146.04	24.37
Top Width (m)	61.55	Top Width (m)	25.51	24.67	31.37
Vel Total (m/s)	1.54	Avg. Vel. (m/s)	0.52	1.95	0.84
Max Chl Dpth (m)	4.60	Hydr. Depth (m)	0.44	3.07	0.92
Conv. Total (m3/s)	6664.4	Conv. (m3/s)	219.7	5533.7	911.0
Length Wtd. (m)	19.95	Wetted Per. (m)	25.56	25.66	31.49
Min Ch El (m)	11.34	Shear (N/m2)	3.11	20.54	6.45
Alpha	1.39	Stream Power (N/m s)	20305.11	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	370.77	296.63	564.64
C & E Loss (m)	0.02	Cum SA (1000 m2)	293.52	94.71	311.03

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3500 Profile: 1:100 AÑOS

E.G. Elev (m)	16.25	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	16.07	Reach Len. (m)	19.37	20.00	19.76
Crit W.S. (m)	14.65	Flow Area (m2)	14.61	76.99	33.17
E.G. Slope (m/m)	0.000749	Area (m2)	14.61	76.99	33.17
Q Total (m3/s)	201.61	Flow (m3/s)	9.02	162.41	30.19
Top Width (m)	64.67	Top Width (m)	27.06	24.67	33.14
Vel Total (m/s)	1.59	Avg. Vel. (m/s)	0.61	2.06	0.91
Max Chl Dpth (m)	4.73	Hydr. Depth (m)	0.55	3.20	1.00
Conv. Total (m3/s)	7366.4	Conv. (m3/s)	329.5	5935.6	1103.3
Length Wtd. (m)	19.94	Wetted Per. (m)	27.14	25.66	33.27
Min Ch El (m)	11.34	Shear (N/m2)	4.01	22.41	7.32
Alpha	1.41	Stream Power (N/m s)	20305.11	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	417.29	315.34	641.97
C & E Loss (m)	0.02	Cum SA (1000 m2)	299.06	94.71	317.06

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3750 Profile: 1:50 AÑOS

E.G. Elev (m)	16.06	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	15.97	Reach Len. (m)	19.36	20.00	20.21
Crit W.S. (m)	14.19	Flow Area (m2)	10.10	95.13	32.49
E.G. Slope (m/m)	0.000441	Area (m2)	10.10	95.13	32.49
Q Total (m3/s)	179.73	Flow (m3/s)	4.69	153.60	21.05
Top Width (m)	62.74	Top Width (m)	17.42	29.06	36.27
Vel Total (m/s)	1.30	Avg. Vel. (m/s)	0.46	1.62	0.65
Max Chl Dpth (m)	4.70	Hydr. Depth (m)	0.56	3.27	0.90
Conv. Total (m3/s)	6562.9	Conv. (m3/s)	233.0	7327.2	1062.7
Length Wtd. (m)	20.01	Wetted Per. (m)	17.56	30.04	36.46
Min Ch El (m)	11.27	Shear (N/m2)	2.49	13.66	3.66
Alpha	1.35	Stream Power (N/m s)	20691.56	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	370.56	297.12	564.23
C & E Loss (m)	0.00	Cum SA (1000 m2)	293.10	94.16	310.36

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3540 Profile: 1:100 AÑOS

E.G. Elev (m)	16.32	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	16.24	Reach Len. (m)	19.37	20.00	19.76
Crit W.S. (m)	14.97	Flow Area (m2)	23.13	57.65	100.77
E.G. Slope (m/m)	0.000439	Area (m2)	23.13	57.65	100.77
Q Total (m3/s)	195.35	Flow (m3/s)	11.35	95.01	92.00
Top Width (m)	122.45	Top Width (m)	39.16	16.36	66.91
Vel Total (m/s)	1.09	Avg. Vel. (m/s)	0.49	1.64	0.91
Max Chl Dpth (m)	4.77	Hydr. Depth (m)	0.59	3.54	1.51
Conv. Total (m3/s)	9464.6	Conv. (m3/s)	541.4	4533.4	4389.6
Length Wtd. (m)	19.90	Wetted Per. (m)	39.30	17.80	67.45
Min Ch El (m)	11.47	Shear (N/m2)	2.53	14.00	6.43
Alpha	1.42	Stream Power (N/m s)	19561.91	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	417.95	316.01	644.13
C & E Loss (m)	0.02	Cum SA (1000 m2)	300.34	95.53	319.75

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3620 Profile: 1:50 AÑOS

E.G. Elev (m)	16.14	Element	Left OB	Channel	Right OB
Vel Head (m)	0.22	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	15.92	Reach Len. (m)	19.35	20.00	19.66
Crit W.S. (m)	14.61	Flow Area (m2)	11.72	62.54	34.06
E.G. Slope (m/m)	0.001001	Area (m2)	11.72	62.54	34.06
Q Total (m3/s)	176.65	Flow (m3/s)	6.99	143.91	25.95
Top Width (m)	103.05	Top Width (m)	27.49	20.12	55.43
Vel Total (m/s)	1.63	Avg. Vel. (m/s)	0.60	2.30	0.76
Max Chl Dpth (m)	4.50	Hydr. Depth (m)	0.43	3.11	0.61
Conv. Total (m3/s)	5569.4	Conv. (m3/s)	220.9	4546.4	620.1
Length Wtd. (m)	19.96	Wetted Per. (m)	27.53	21.52	55.49
Min Ch El (m)	11.42	Shear (N/m2)	4.16	25.53	6.03
Alpha	1.65	Stream Power (N/m s)	19990.36	0.00	0.00
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	370.99	300.21	565.47
C & E Loss (m)	0.02	Cum SA (1000 m2)	294.03	95.16	311.69

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3520 Profile: 1:100 AÑOS

E.G. Elev (m)	16.29	Element	Left OB	Channel	Right OB
Vel Head (m)	0.25	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	16.04	Reach Len. (m)	19.35	20.00	19.66
Crit W.S. (m)	15.25	Flow Area (m2)	15.37	65.02	42.37
E.G. Slope (m/m)	0.001093	Area (m2)	15.37	65.02	42.37
Q Total (m3/s)	199.96	Flow (m3/s)	10.39	160.43	29.16
Top Width (m)	137.67	Top Width (m)	31.95	20.12	65.60
Vel Total (m/s)	1.63	Avg. Vel. (m/s)	0.66	2.47	0.69
Max Chl Dpth (m)	4.62	Hydr. Depth (m)	0.46	3.23	0.49
Conv. Total (m3/s)	6046.5	Conv. (m3/s)	314.3	4852.3	581.9
Length Wtd. (m)	19.95	Wetted Per. (m)	31.99	21.52	65.65
Min Ch El (m)	11.42	Shear (N/m2)	5.15	32.36	5.29
Alpha	1.66	Stream Power (N/m s)	19990.36	0.00	0.00
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	417.56	316.78	642.72
C & E Loss (m)	0.02	Cum SA (1000 m2)	299.65	95.16	316.24

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3660 Profile: 1:50 AÑOS

E.G. Elev (m)	16.16	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	16.13	Reach Len. (m)	19.29	20.00	20.00
Crit W.S. (m)	14.23	Flow Area (m2)	17.99	53.69	124.02
E.G. Slope (m/m)	0.000253	Area (m2)	17.99	53.69	124.02
Q Total (m3/s)	173.96	Flow (m3/s)	6.33	66.66	96.97
Top Width (m)	113.71	Top Width (m)	32.79	14.75	66.16
Vel Total (m/s)	0.89	Avg. Vel. (m/s)	0.35	1.26	0.80
Max Chl Dpth (m)	4.65	Hydr. Depth (m)	0.55	3.64	1.87
Conv. Total (m3/s)	10944.2	Conv. (m3/s)	395.3	4319.7	6226.1
Length Wtd. (m)	19.97	Wetted Per. (m)	33.21	15.66	67.10
Min Ch El (m)	11.46	Shear (N/m2)	1.34	6.36	4.56
Alpha	1.26	Stream Power (N/m s)	19430.76	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	371.62	302.46	566.55
C & E Loss (m)	0.00	Cum SA (1000 m2)	295.26	95.64	314.36

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3660 Profile: 1:100 AÑOS

E.G. Elev (m)	16.33	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	16.26	Reach Len. (m)	19.29	20.00	20.00
Crit W.S. (m)	14.34	Flow Area (m2)	23.29	55.91	134.22
E.G. Slope (m/m)	0.000265	Area (m2)	23.29	55.91	134.22
Q Total (m3/s)	196.72	Flow (m3/s)	9.12	75.31	112.29
Top Width (m)	121.66	Top Width (m)	37.63	14.75	69.27
Vel Total (m/s)	0.92	Avg. Vel. (m/s)	0.39	1.35	0.84
Max Chl Dpth (m)	4.60	Hydr. Depth (m)	0.62	3.79	1.94
Conv. Total (m3/s)	12073.7	Conv. (m3/s)	559.7	4622.0	6891.9
Length Wtd. (m)	19.96	Wetted Per. (m)	36.05	15.66	70.21
Min Ch El (m)	11.46	Shear (N/m2)	1.59	9.17	4.96
Alpha	1.30	Stream Power (N/m s)	19430.76	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	416.40	319.15	646.46
C & E Loss (m)	0.00	Cum SA (1000 m2)	301.06	95.64	321.11

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3640 Profile: 1:50 AÑOS

E.G. Elev (m)	16.17	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	16.09	Reach Len. (m)	19.37	20.00	19.76
Crit W.S. (m)	14.65	Flow Area (m2)	17.57	55.37	90.91
E.G. Slope (m/m)	0.000434	Area (m2)	17.57	55.37	90.91
Q Total (m3/s)	175.41	Flow (m3/s)	7.60	67.61	79.60
Top Width (m)	114.09	Top Width (m)	34.26	16.36	63.46
Vel Total (m/s)	1.07	Avg. Vel. (m/s)	0.44	1.59	0.86
Max Chl Dpth (m)	4.62	Hydr. Depth (m)	0.51	3.36	1.43
Conv. Total (m3/s)	6416.6	Conv. (m3/s)	374.1	4214.7	3829.6
Length Wtd. (m)	19.91	Wetted Per. (m)	34.40	17.60	63.99
Min Ch El (m)	11.47	Shear (N/m2)	2.17	13.24	6.05
Alpha	1.41	Stream Power (N/m s)	19561.91	0.00	0.00
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	371.26	301.39	566.70
C & E Loss (m)	0.01	Cum SA (1000 m2)	294.63	95.53	313.07

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3900 Profile: 1:100 AÑOS

E.G. Elev (m)	16.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	16.34	Reach Len. (m)	19.41	20.00	20.00
Crit W.S. (m)	12.97	Flow Area (m2)	256.64	69.11	63.03
E.G. Slope (m/m)	0.000043	Area (m2)	256.64	69.11	63.03
Q Total (m3/s)	193.46	Flow (m3/s)	133.52	42.15	17.78
Top Width (m)	127.79	Top Width (m)	70.29	16.00	41.50
Vel Total (m/s)	0.50	Avg. Vel. (m/s)	0.52	0.61	0.26
Max Chl Dpth (m)	4.63	Hydr. Depth (m)	3.66	4.32	1.52
Conv. Total (m3/s)	29367.9	Conv. (m3/s)	20209.1	6399.3	2099.5
Length Wtd. (m)	19.79	Wetted Per. (m)	71.74	16.56	43.27
Min Ch El (m)	11.51	Shear (N/m2)	1.53	1.76	0.62
Alpha	1.11	Stream Power (N/m s)	19151.15	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	421.54	321.58	650.76
C & E Loss (m)	0.01	Cum SA (1000 m2)	302.79	96.44	323.45

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3650 Profile: 1:50 AÑOS

E.G. Elev (m)	16.19	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	16.12	Reach Len. (m)	19.46	20.00	20.00
Crit W.S. (m)	13.99	Flow Area (m2)	15.63	56.63	106.70
E.G. Slope (m/m)	0.000266	Area (m2)	15.63	56.63	106.70
Q Total (m3/s)	172.52	Flow (m3/s)	5.65	79.15	67.72
Top Width (m)	100.23	Top Width (m)	29.13	14.73	56.37
Vel Total (m/s)	0.96	Avg. Vel. (m/s)	0.36	1.39	0.82
Max Chl Dpth (m)	4.63	Hydr. Depth (m)	0.54	3.66	1.69
Conv. Total (m3/s)	10536.9	Conv. (m3/s)	345.1	4634.0	5357.7
Length Wtd. (m)	19.96	Wetted Per. (m)	29.92	15.46	57.71
Min Ch El (m)	11.49	Shear (N/m2)	1.39	9.66	4.66
Alpha	1.34	Stream Power (N/m s)	19151.59	7506.77	14363.36
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	371.95	303.56	591.16
C & E Loss (m)	0.00	Cum SA (1000 m2)	295.66	96.13	315.59

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3550 Profile: 1:100 AÑOS

E.G. Elev (m)	16.34	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	16.27	Reach Len. (m)	19.46	20.00	20.00
Crit W.S. (m)	14.11	Flow Area (m2)	20.53	59.02	115.46
E.G. Slope (m/m)	0.000292	Area (m2)	20.53	59.02	115.46
Q Total (m3/s)	195.09	Flow (m3/s)	8.24	66.01	96.84
Top Width (m)	110.02	Top Width (m)	33.94	14.73	61.34
Vel Total (m/s)	1.00	Avg. Vel. (m/s)	0.40	1.49	0.86
Max Chl Dpth (m)	4.76	Hydr. Depth (m)	0.60	4.01	1.66
Conv. Total (m3/s)	11414.9	Conv. (m3/s)	482.0	5149.5	5783.3
Length Wtd. (m)	19.96	Wetted Per. (m)	34.73	15.46	62.69
Min Ch El (m)	11.49	Shear (N/m2)	1.69	10.94	5.26
Alpha	1.36	Stream Power (N/m s)	19151.59	7506.77	14363.36
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	416.63	320.30	648.96
C & E Loss (m)	0.00	Cum SA (1000 m2)	301.77	96.13	322.42

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3910.03 Profile: 1:50 AÑOS

E.G. Elev (m)	16.20	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	16.16	Reach Len. (m)	10.03	10.03	10.03
Crit W.S. (m)	13.29	Flow Area (m2)	141.12	132.86	29.07
E.G. Slope (m/m)	0.000063	Area (m2)	141.12	132.86	29.07
Q Total (m3/s)	169.64	Flow (m3/s)	63.97	94.46	11.20
Top Width (m)	109.24	Top Width (m)	61.24	32.91	15.09
Vel Total (m/s)	0.56	Avg. Vel. (m/s)	0.45	0.71	0.39
Max Chl Dpth (m)	4.61	Hydr. Depth (m)	2.30	4.04	1.93
Conv. Total (m3/s)	21452.0	Conv. (m3/s)	8089.6	11945.4	1416.9
Length Wtd. (m)	10.03	Wetted Per. (m)	62.58	33.26	16.44
Min Ch El (m)	11.57	Shear (N/m2)	1.35	2.45	1.06
Alpha	1.16	Stream Power (N/m s)	19151.15	3630.23	10666.26
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	376.46	305.62	593.22
C & E Loss (m)	0.00	Cum SA (1000 m2)	297.50	96.69	316.63

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3910.03 Profile: 1:100 AÑOS

E.G. Elev (m)	16.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	16.33	Reach Len. (m)	10.03	10.03	10.03
Crit W.S. (m)	13.39	Flow Area (m2)	150.65	137.96	31.46
E.G. Slope (m/m)	0.000066	Area (m2)	150.65	137.96	31.46
Q Total (m3/s)	191.62	Flow (m3/s)	73.94	104.92	12.96
Top Width (m)	110.51	Top Width (m)	61.61	32.91	15.79
Vel Total (m/s)	0.60	Avg. Vel. (m/s)	0.49	0.76	0.41
Max Chl Dpth (m)	4.76	Hydr. Depth (m)	2.44	4.19	1.99
Conv. Total (m3/s)	23252.6	Conv. (m3/s)	8963.2	12718.4	1571.0
Length Wtd. (m)	10.03	Wetted Per. (m)	63.17	33.26	17.15
Min Ch El (m)	11.57	Shear (N/m2)	1.59	2.77	1.22
Alpha	1.17	Stream Power (N/m s)	19151.15	3630.23	10666.26
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	423.59	322.62	651.24
C & E Loss (m)	0.00	Cum SA (1000 m2)	303.45	96.69	323.73

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 3900 Profile: 1:50 AÑOS

E.G. Elev (m)	16.19	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.	0.030	0.028	0.030
W.S. Elev (m)	16.16	Reach Len. (m)	19.41	20.00	20.00
Crit W.S. (m)	12.90	Flow Area (m2)	247.77	66.63	56.72
E.G. Slope (m/m)	0.000039	Area (m2)	247.77	66.63	56.72
Q Total (m3/s)	171.08	Flow (m3/s)	116.60	37.70	14.56
Top Width (m)	125.45	Top Width (m)	69.71	16.00	39.73
Vel Total (m/s)	0.46	Avg. Vel. (m/s)	0.46	0.57	0.26
Max Chl Dpth (m)	4.67	Hydr. Depth (m)	3.55	4.16	1.43
Conv. Total (m3/s)	27323.6	Conv. (m3/s)	18974.4	6020.5	2328.7
Length Wtd. (m)	19.79	Wetted Per. (m)	71.15	16.56	41.49
Min Ch El (m)	11.51	Shear (N/m2)	1.34	1.55	0.53
Alpha	1.11	Stream Power (N/m s)	19151.15	0.00	0.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	374.51	304.62	592.79
C & E Loss (m)	0.01	Cum SA (1000 m2)	296.64	96.44	316.55

Plan: PLAN SENORA.V2 SITIODISEÑO RS: 20 Profile: 1:100 AÑOS

E.G. Elev (m)	5.67	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	5.56	Reach Len. (m)	19.93	20.00	19.39
Crit W.S. (m)	7.54	Flow Area (m2)	239.67	35.79	113.33
E.G. Slope (m/m)	0.001206	Area (m2)	239.67	35.79	113.33
Q Total (m3/s)	560.67	Flow (m3/s)	320.60	71.45	168.63
Top Width (m)	266.02	Top Width (m)	192.02	17.06	76.92
Vel Total (m/s)	1.44	Avg. Vel. (m/s)	1.34	2.00	1.49
Max Chl Dpth (m)	2.56	Hydr. Depth (m)	1.25	2.10	1.47
Conv. Total (m3/s)	16149.6	Conv. (m3/s)	9236.9	2057.3	4855.4
Length Wtd. (m)	19.79	Wetted Per. (m)	193.16	17.52	77.77
Min Ch El (m)	6.01	Shear (N/m2)	14.69	24.16	17.24
Alpha	1.06	Stream Power (N/m s)	21314.12	0.00	0.00
Frctn Loss (m)	0.03	Cum Volume (1000 m3)	4.90	0.73	1.95
C & E Loss (m)	0.00	Cum SA (1000 m2)	4.07	0.33	1.40

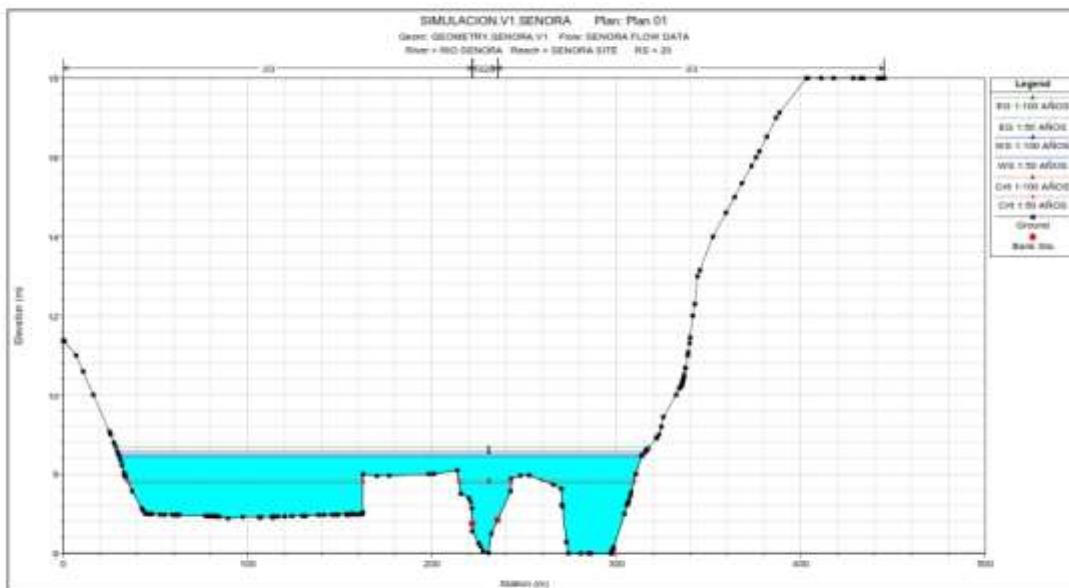
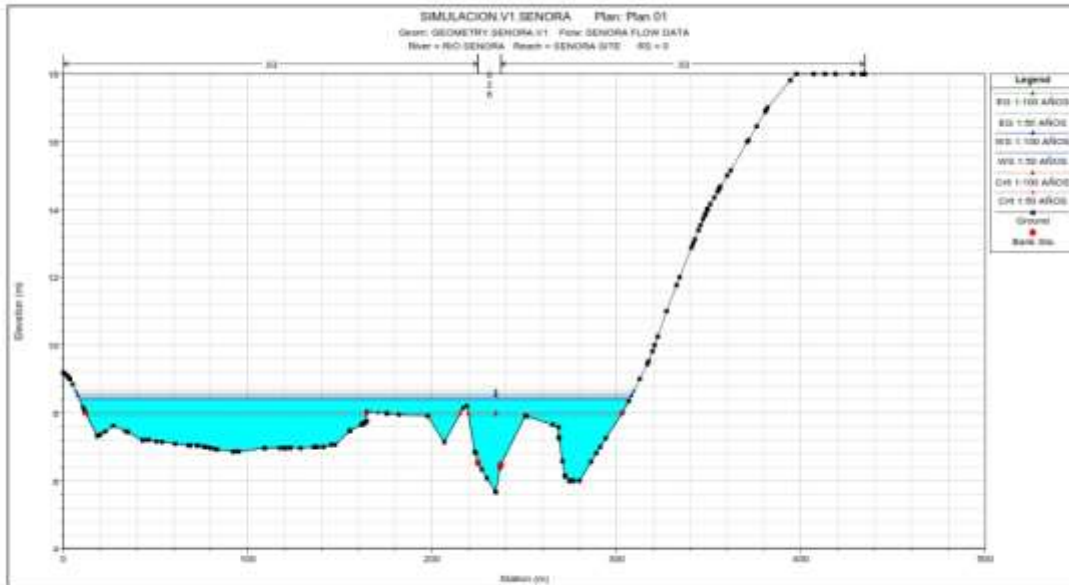
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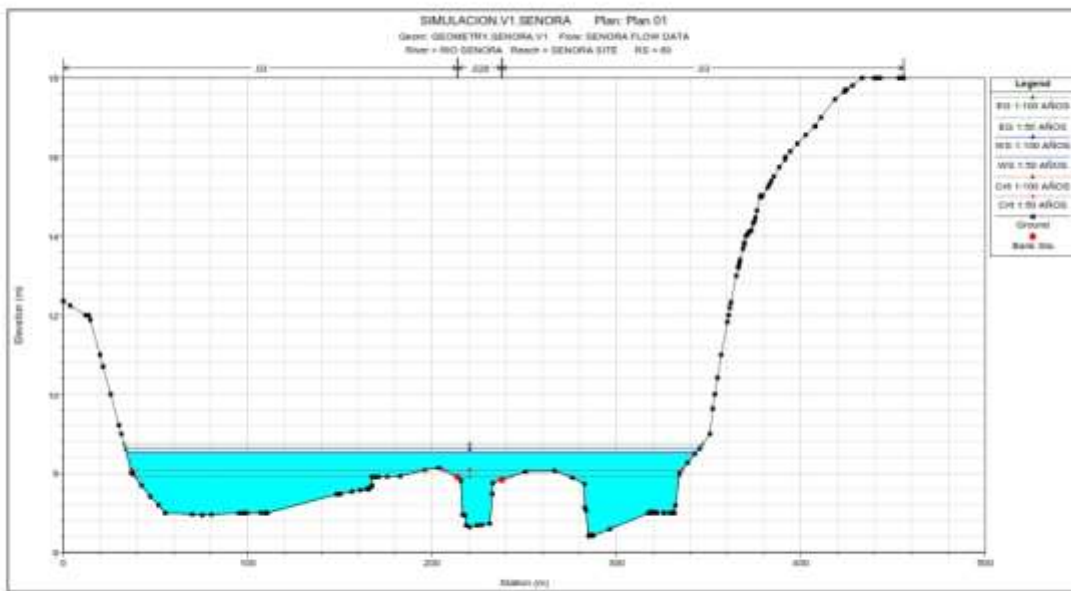
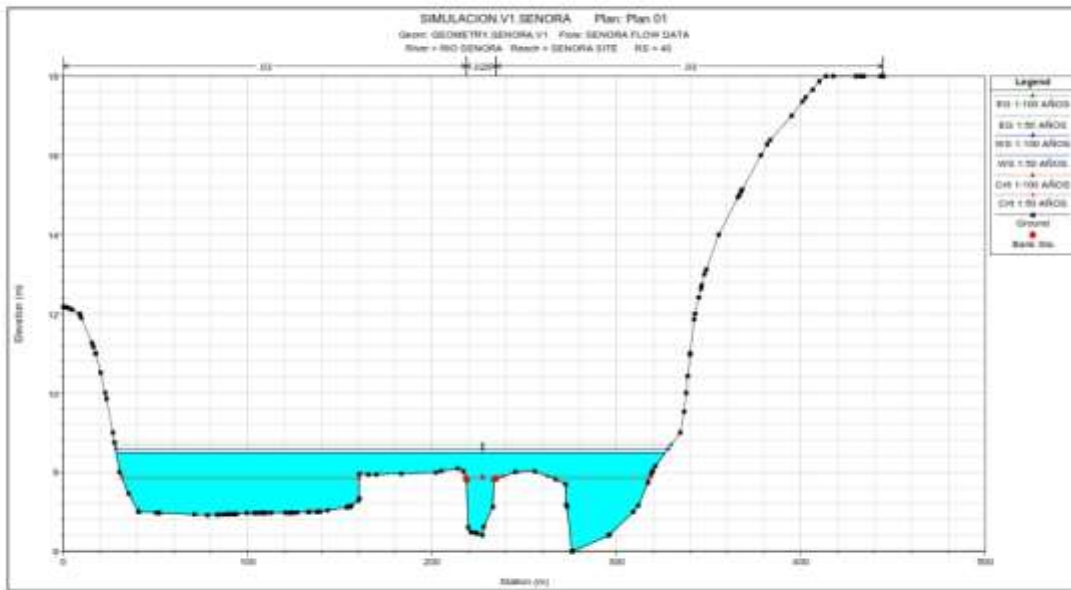
E.G. Elev (m)	5.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	5.42	Reach Len. (m)			
Crit W.S. (m)	7.91	Flow Area (m2)	231.90	35.56	61.21
E.G. Slope (m/m)	0.001400	Area (m2)	231.90	35.56	61.21
Q Total (m3/s)	497.44	Flow (m3/s)	302.96	60.02	114.44
Top Width (m)	295.77	Top Width (m)	215.64	16.06	67.06
Vel Total (m/s)	1.43	Avg. Vel. (m/s)	1.31	2.25	1.41
Max Chl Dpth (m)	2.76	Hydr. Depth (m)	1.06	2.21	1.21
Conv. Total (m3/s)	13294.0	Conv. (m3/s)	6097.1	2136.4	3056.5
Length Wtd. (m)		Wetted Per. (m)	216.31	16.30	67.63
Min Ch El (m)	5.67	Shear (N/m2)	14.72	29.96	16.49
Alpha	1.14	Stream Power (N/m s)	20806.72	0.00	0.00
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

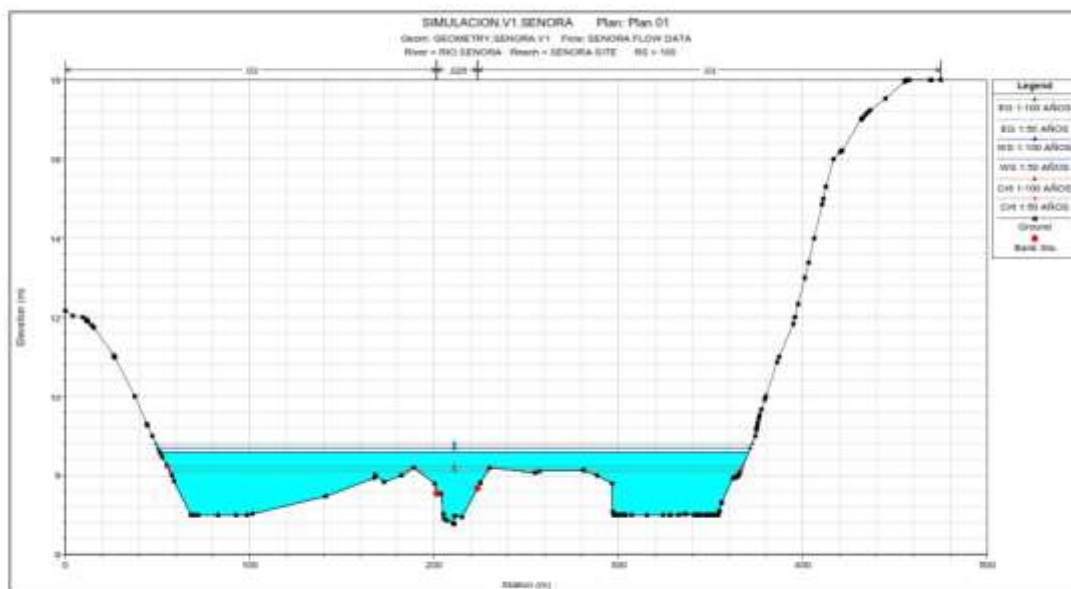
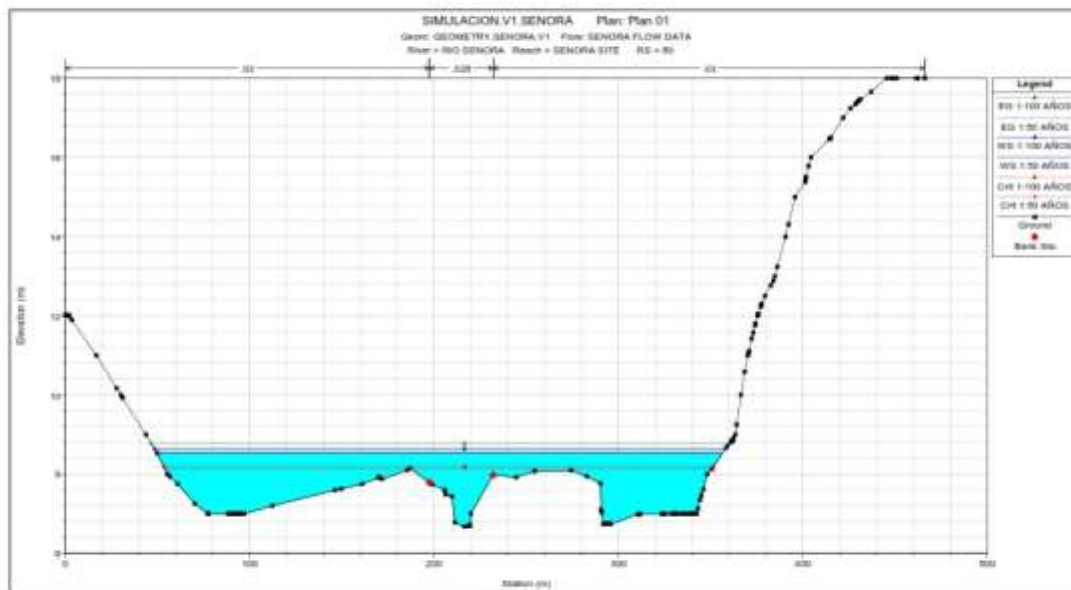
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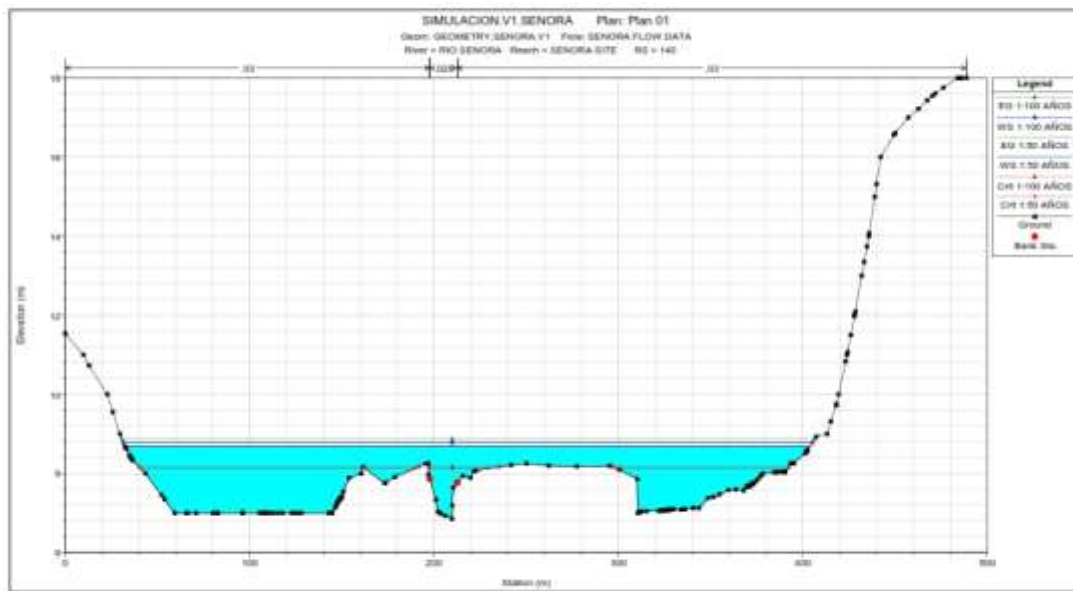
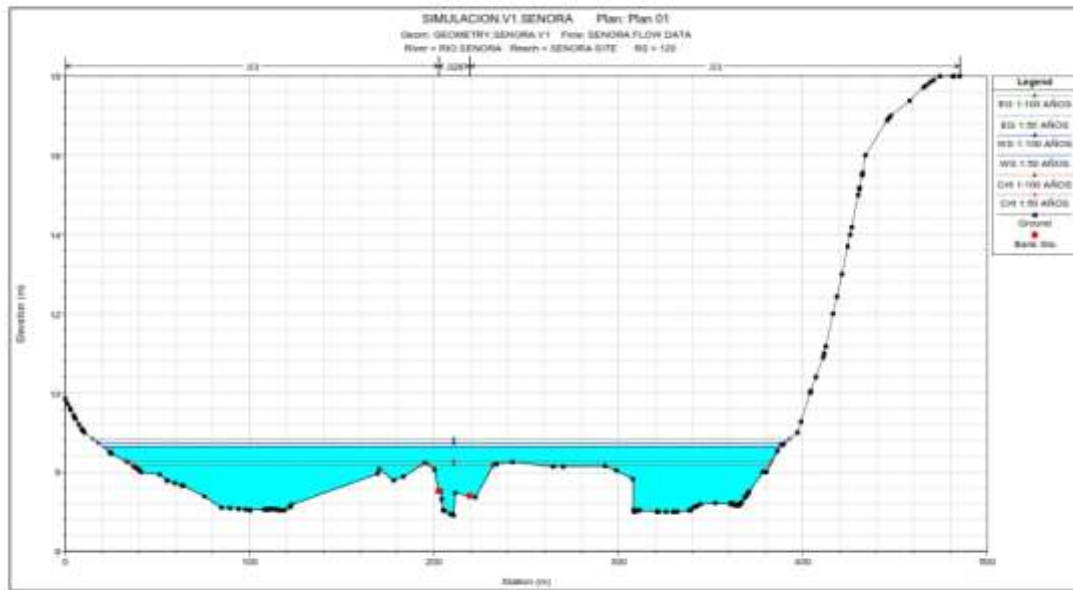
E.G. Elev (m)	5.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.	0.030	0.026	0.030
W.S. Elev (m)	5.52	Reach Len. (m)			
Crit W.S. (m)	6.00	Flow Area (m2)	252.22	37.09	67.56
E.G. Slope (m/m)	0.001402	Area (m2)	252.22	37.09	67.56
Q Total (m3/s)	562.50	Flow (m3/s)	347.94	65.63	126.73
Top Width (m)	300.41	Top Width (m)	216.40	16.06	67.93
Vel Total (m/s)	1.49	Avg. Vel. (m/s)	1.36	2.31	1.47
Max Chl Dpth (m)	2.65	Hydr. Depth (m)	1.17	2.31	1.29
Conv. Total (m3/s)	15021.3	Conv. (m3/s)	9291.5	2292.1	3437.7
Length Wtd. (m)		Wetted Per. (m)	217.09	16.30	68.50
Min Ch El (m)	5.67	Shear (N/m2)	15.96	31.30	17.56
Alpha	1.12	Stream Power (N/m s)	20806.72	0.00	0.00
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

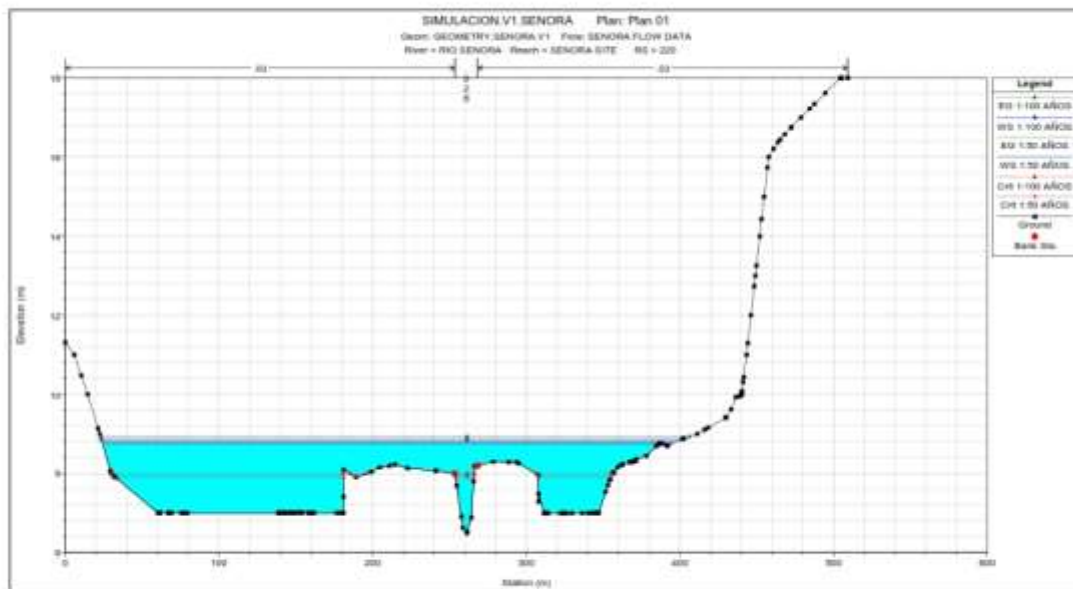
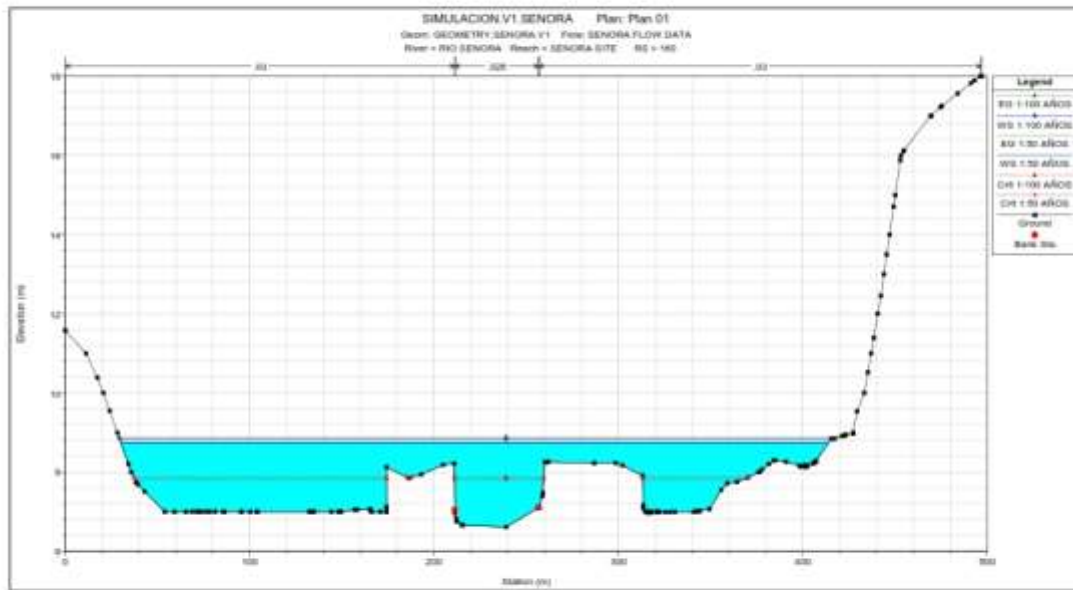
A.2 SALIDA DE LAS SECCIONES TRANSVERSALES PERIODO DE RETORNO DE 1:50 Y 1:100 AÑOS PARA CONDICIÓN ACTUAL

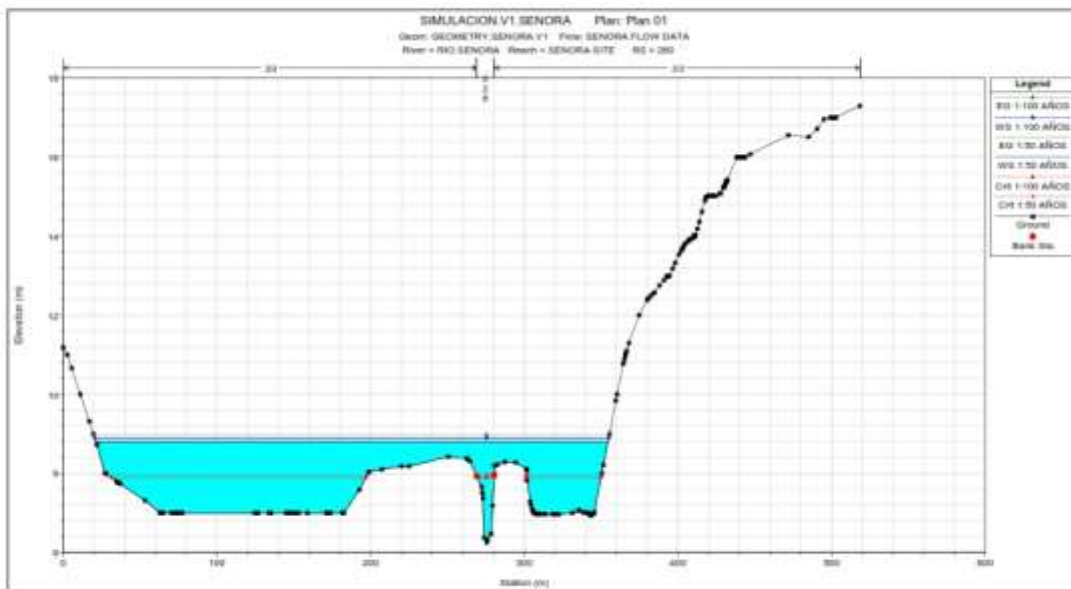
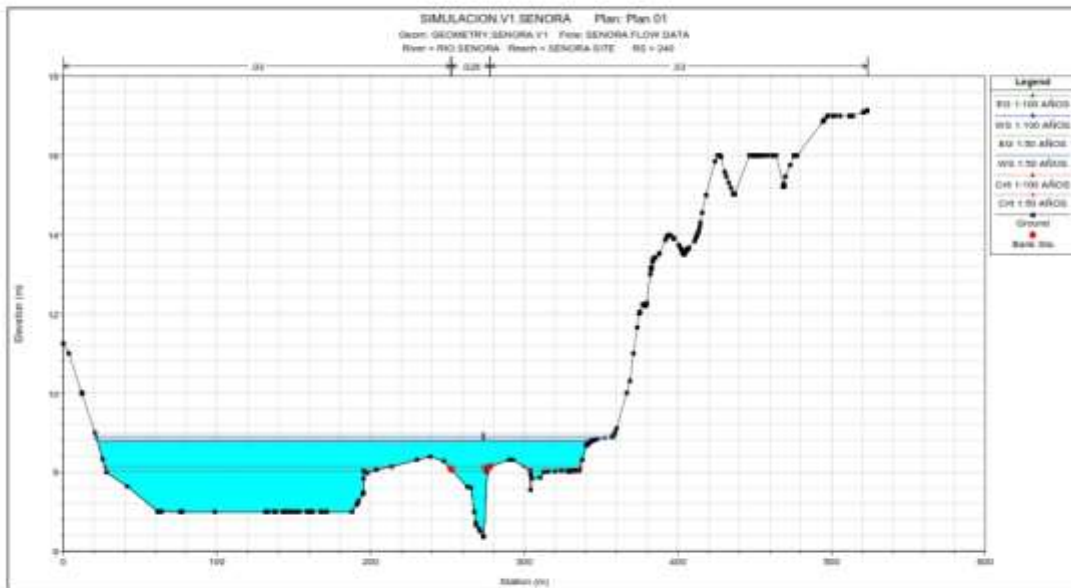


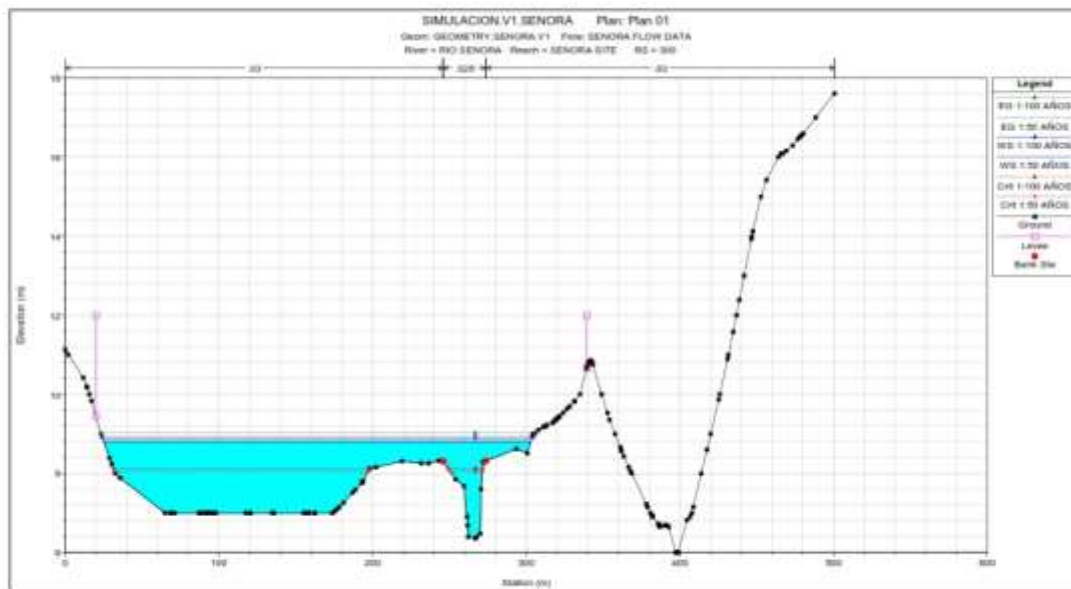
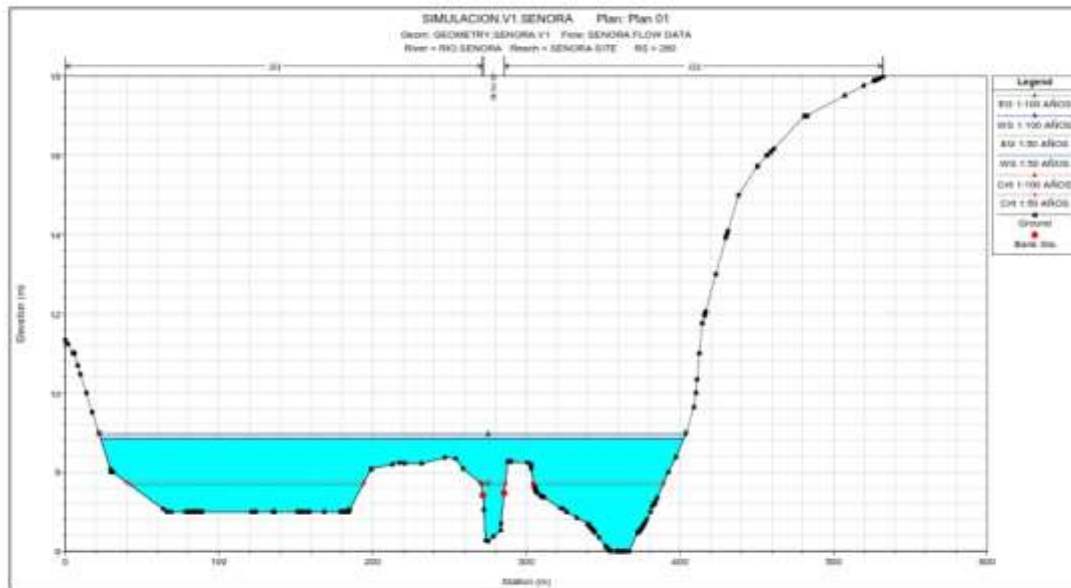


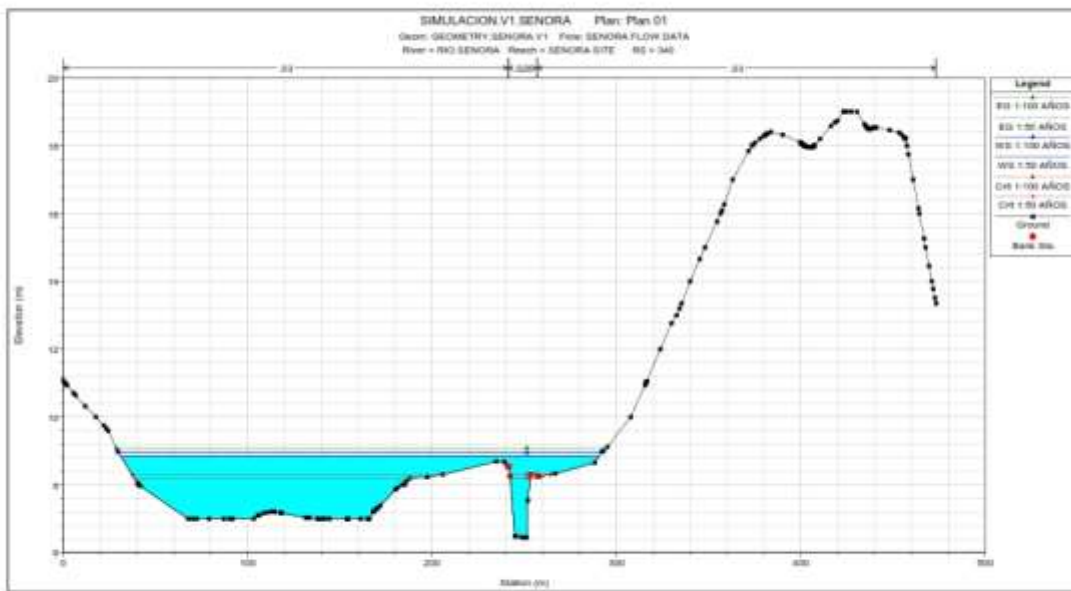
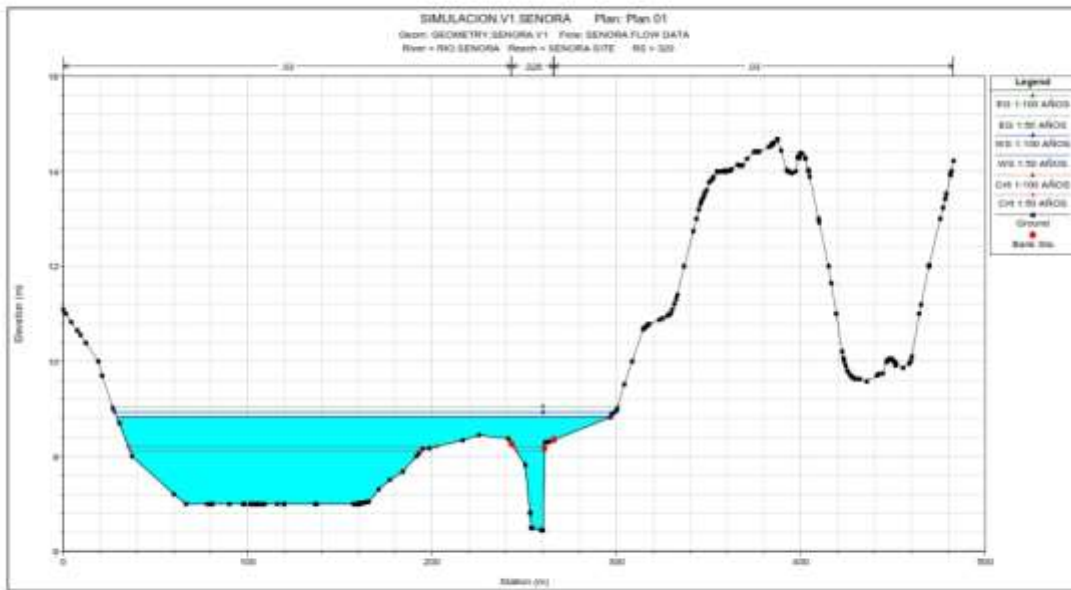


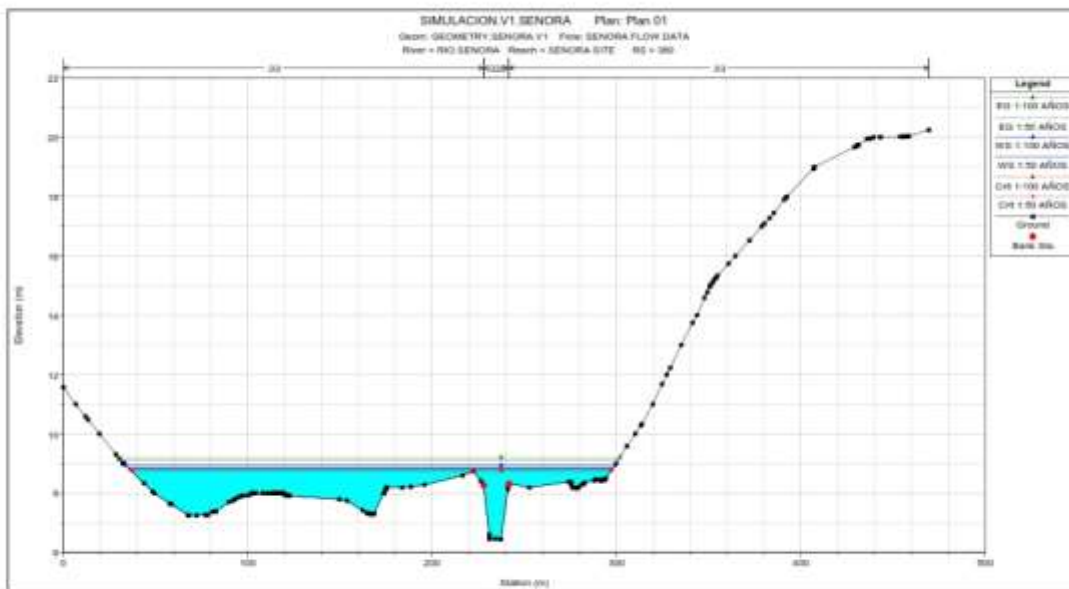
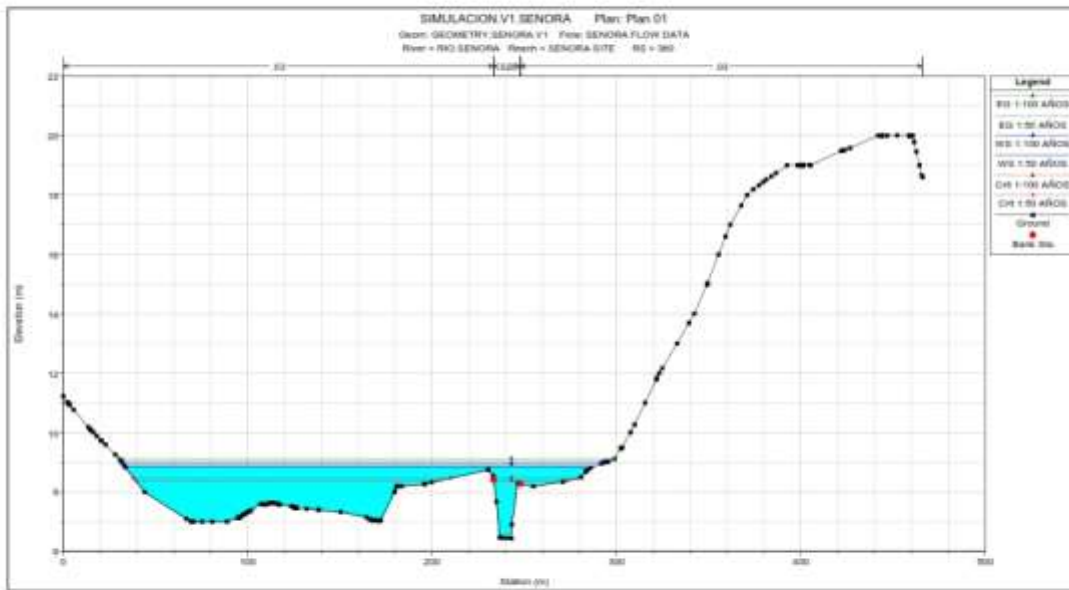


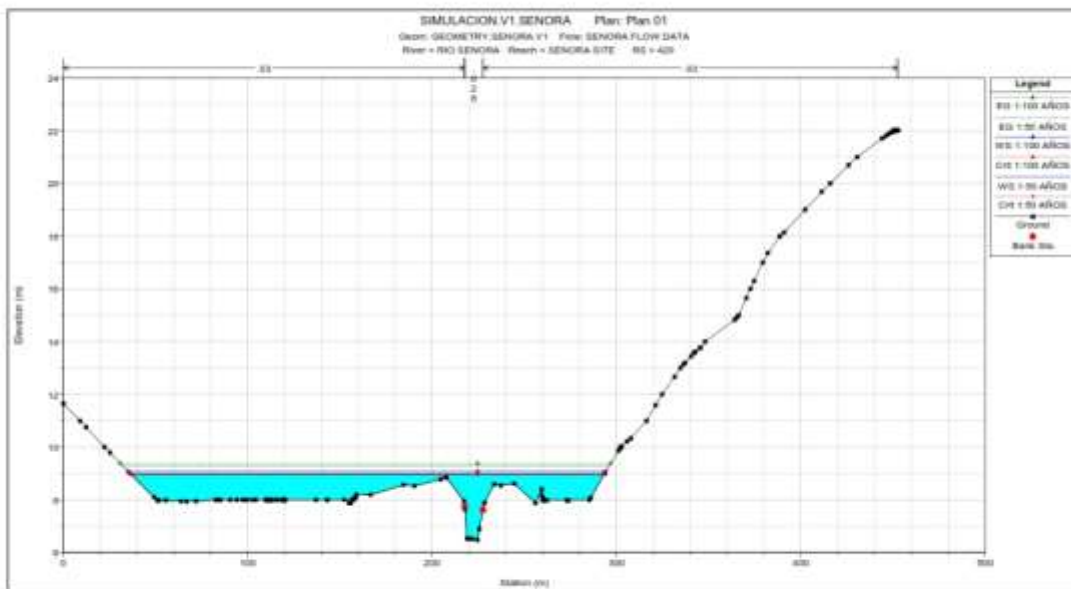
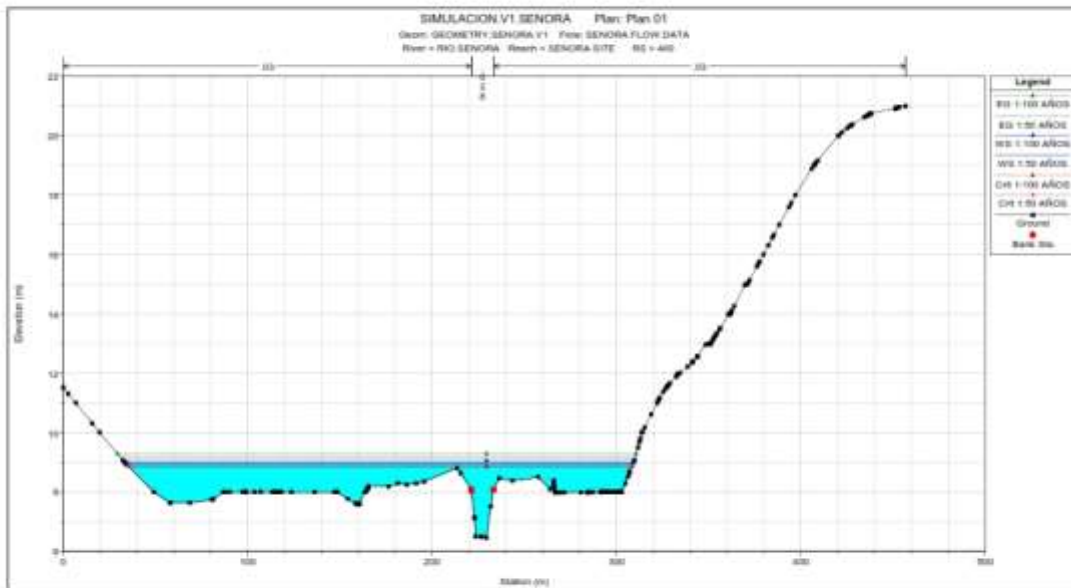


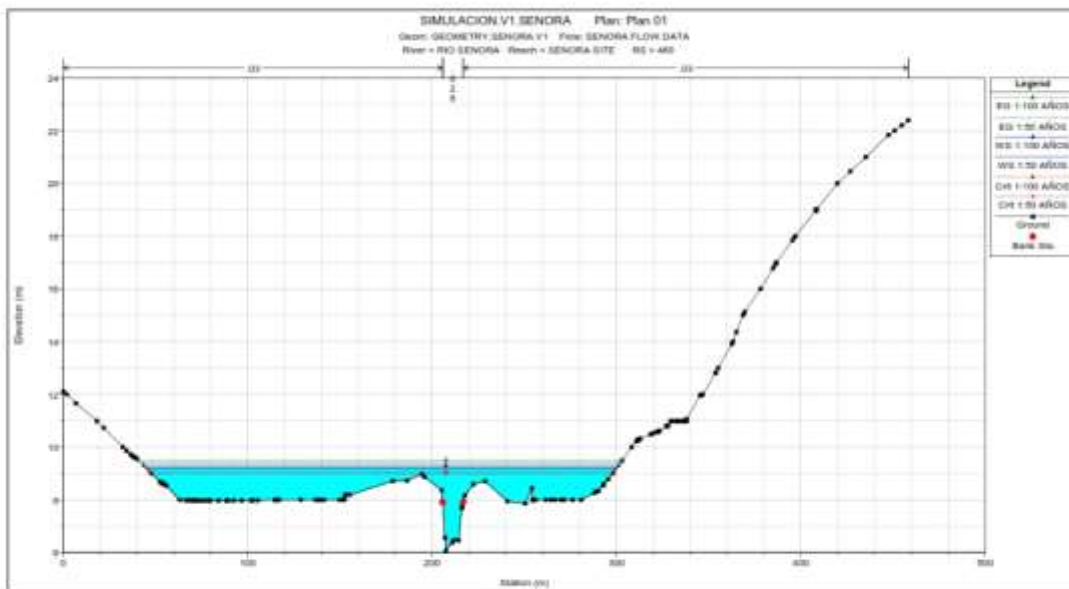
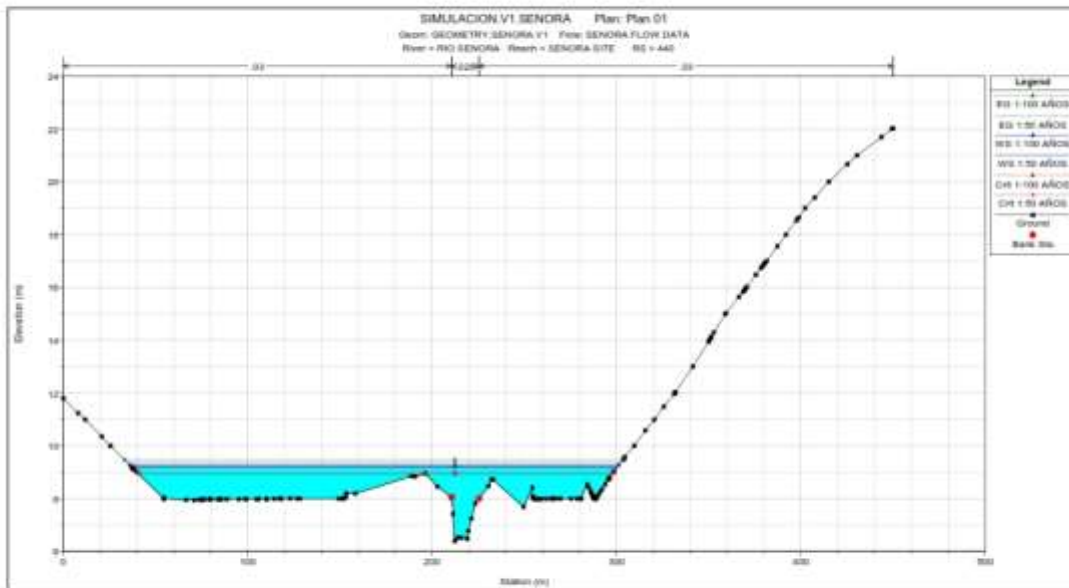


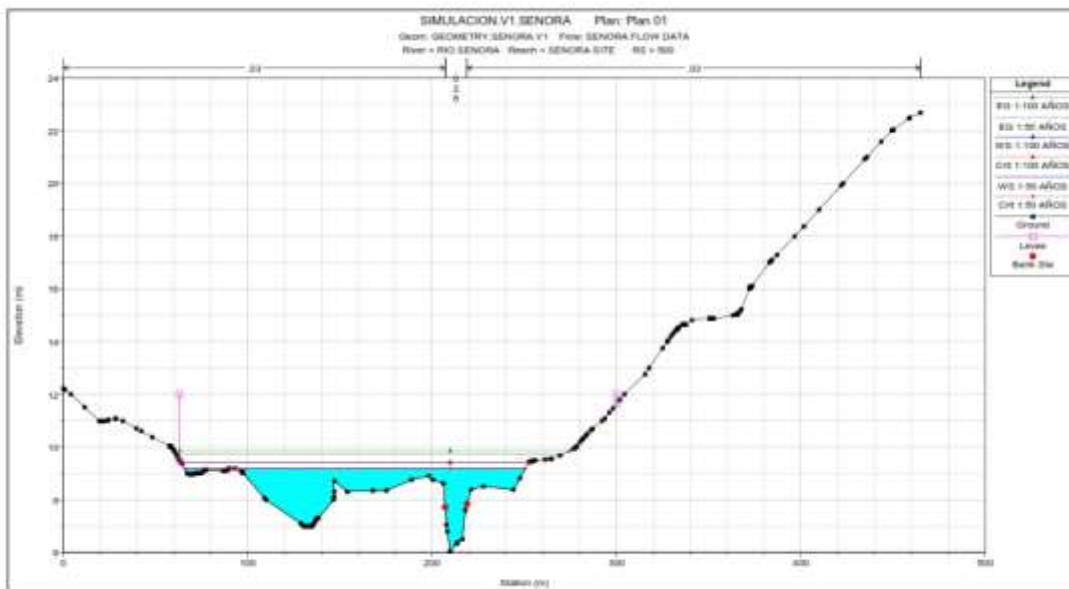
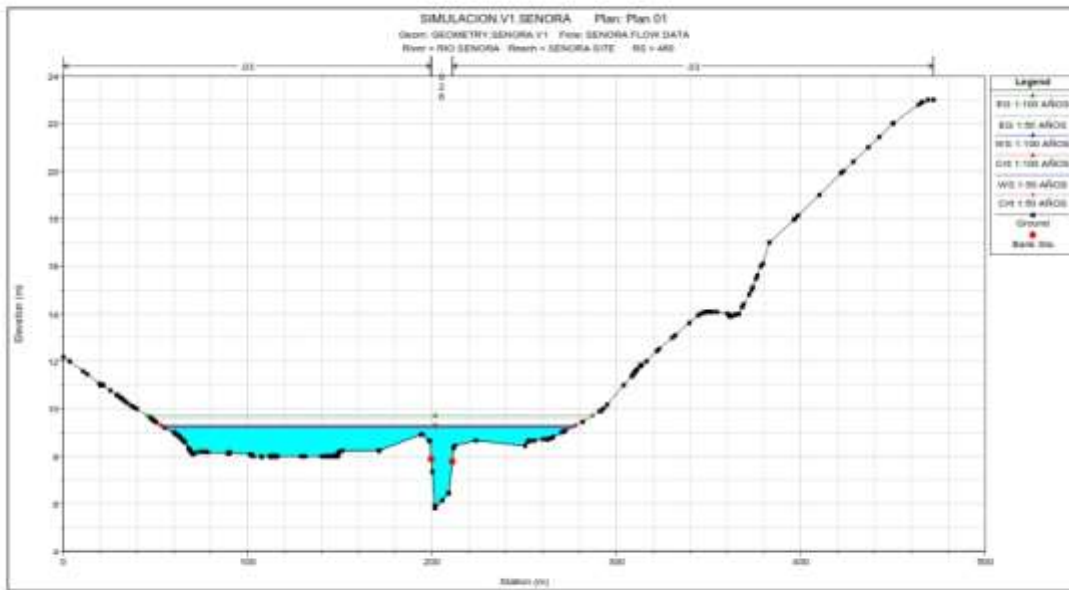


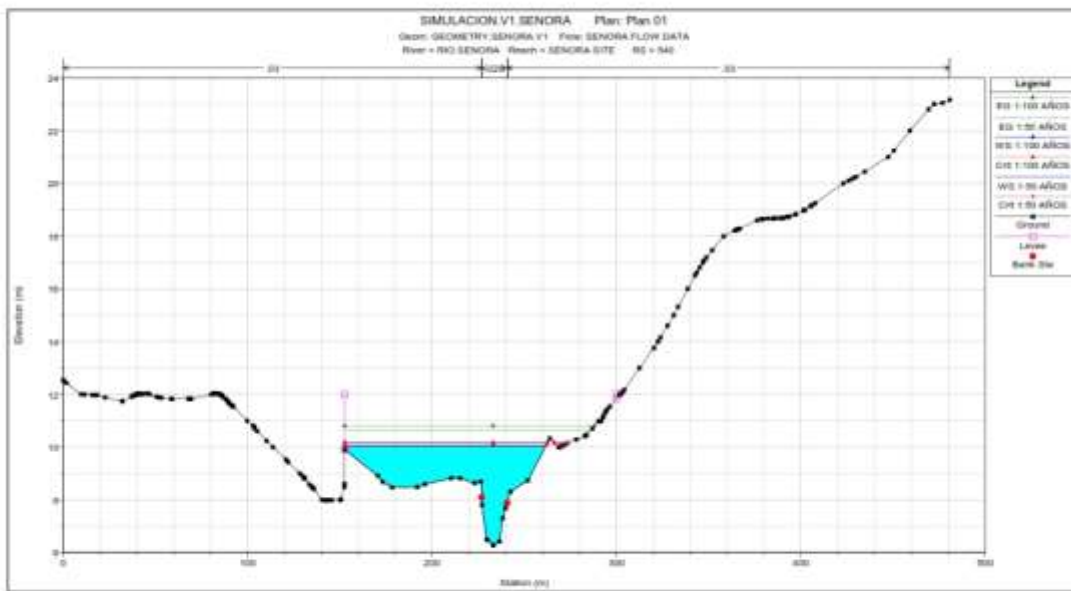
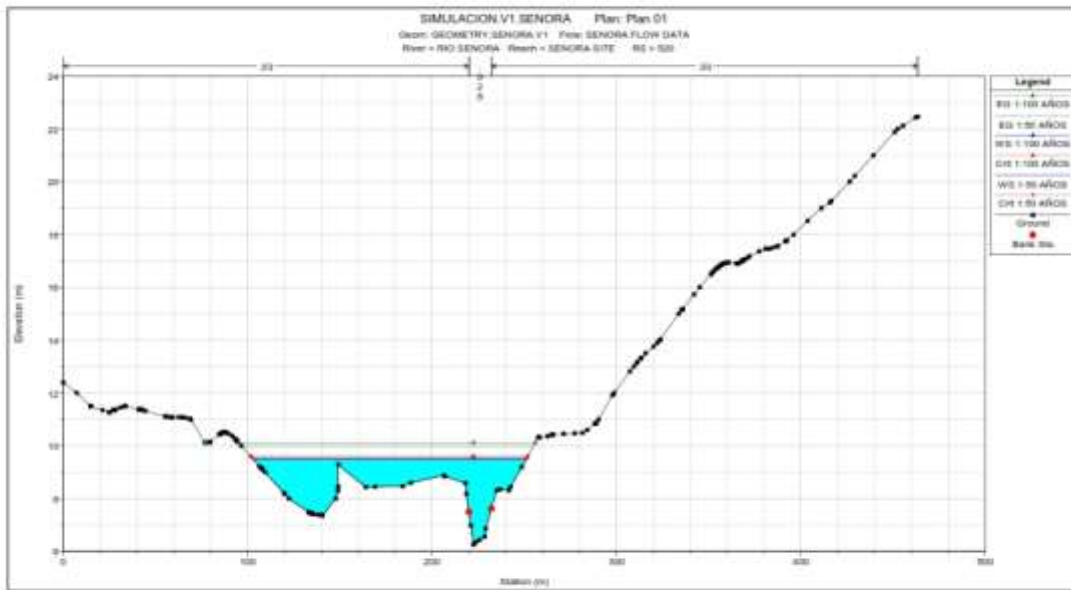


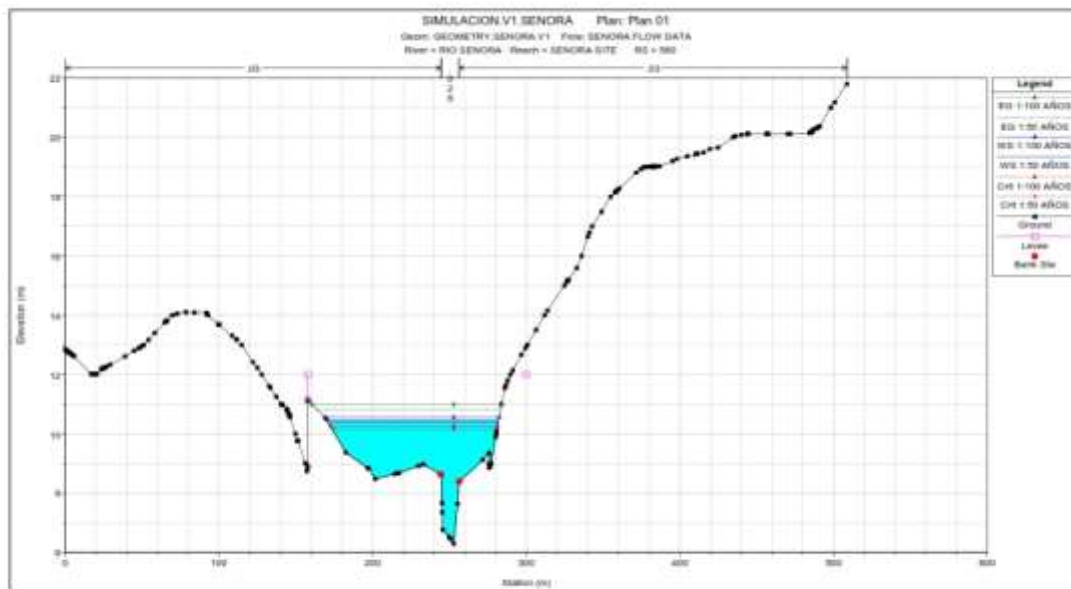
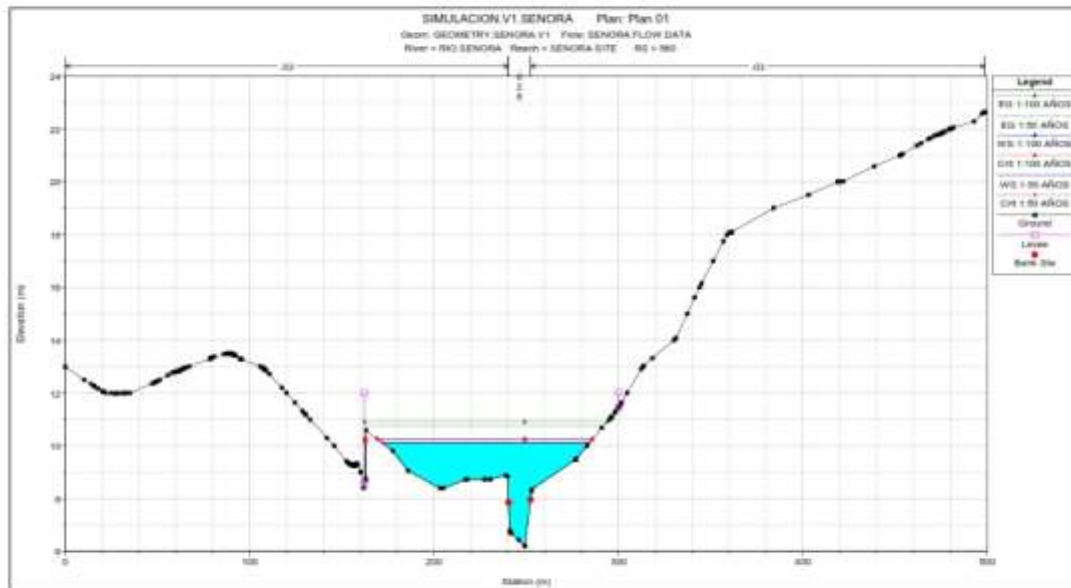


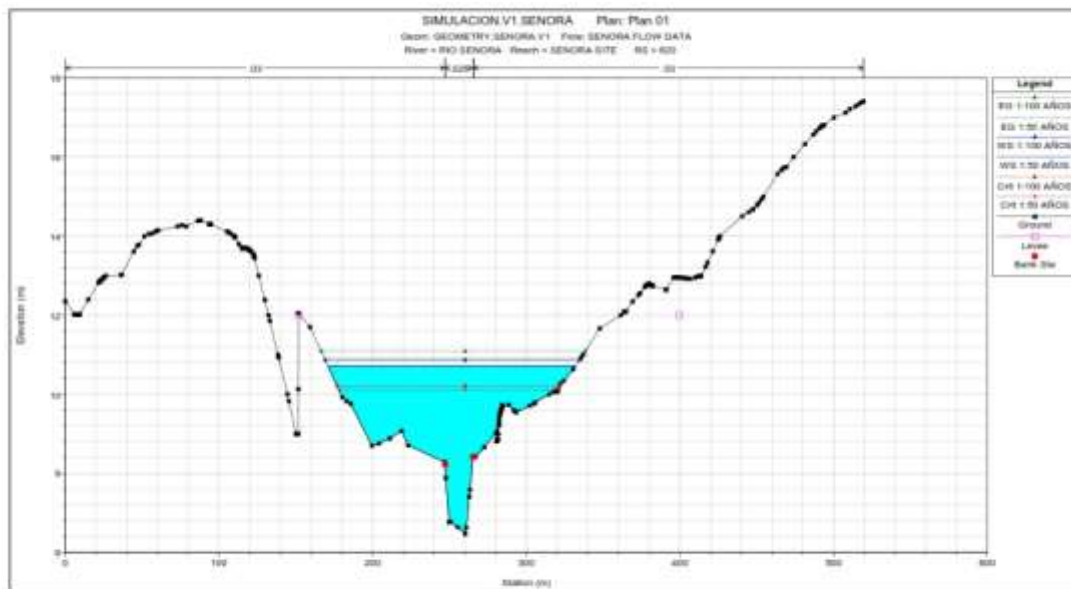
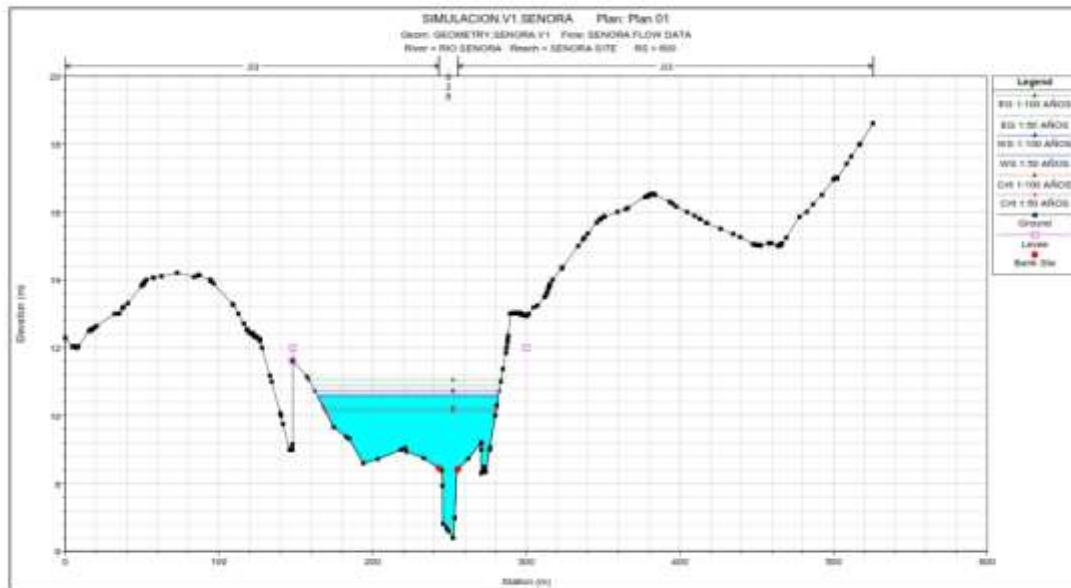


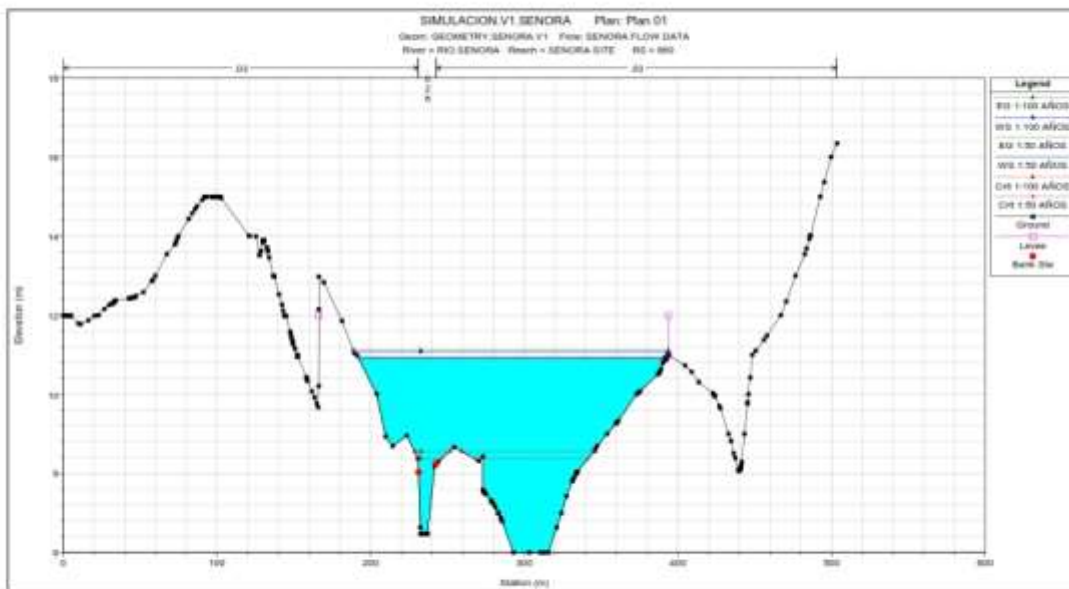
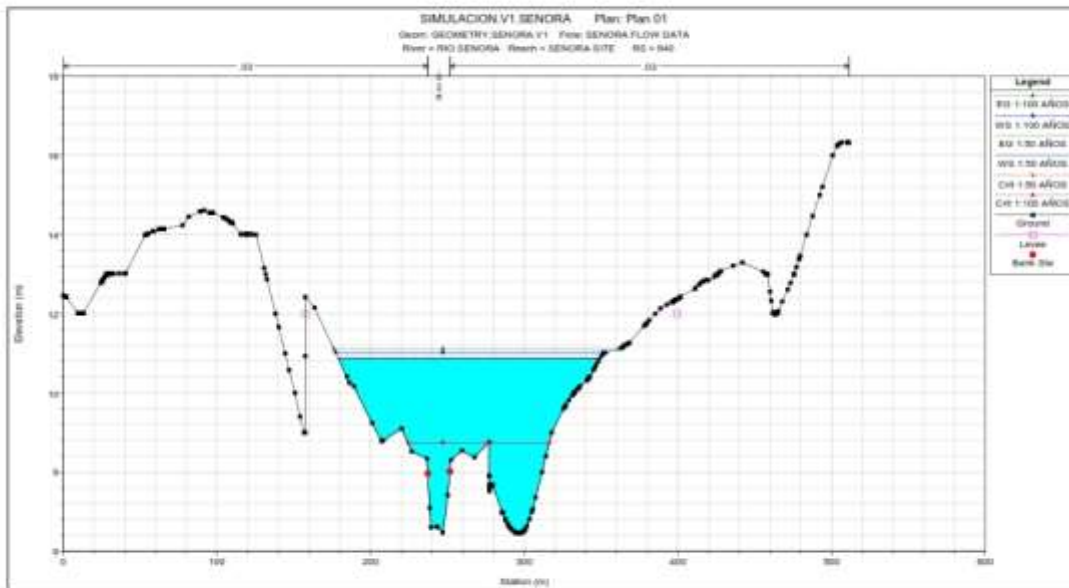


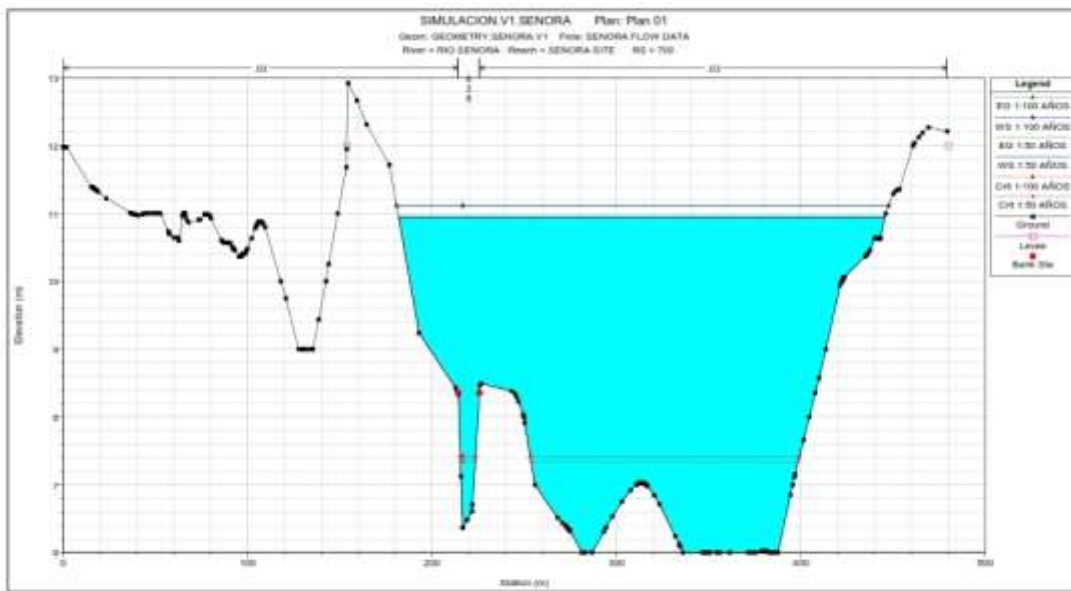
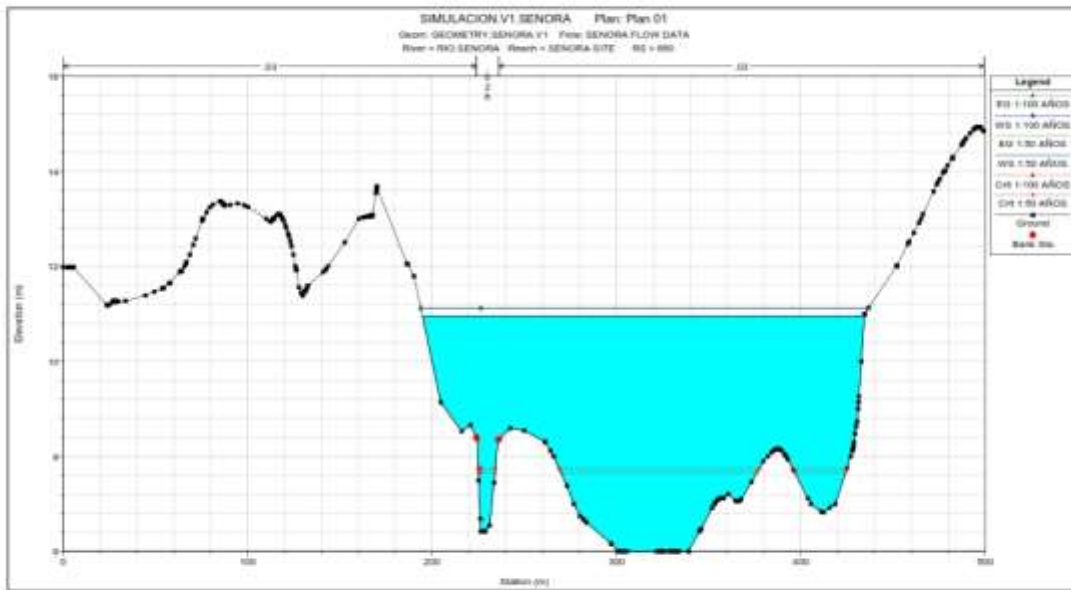


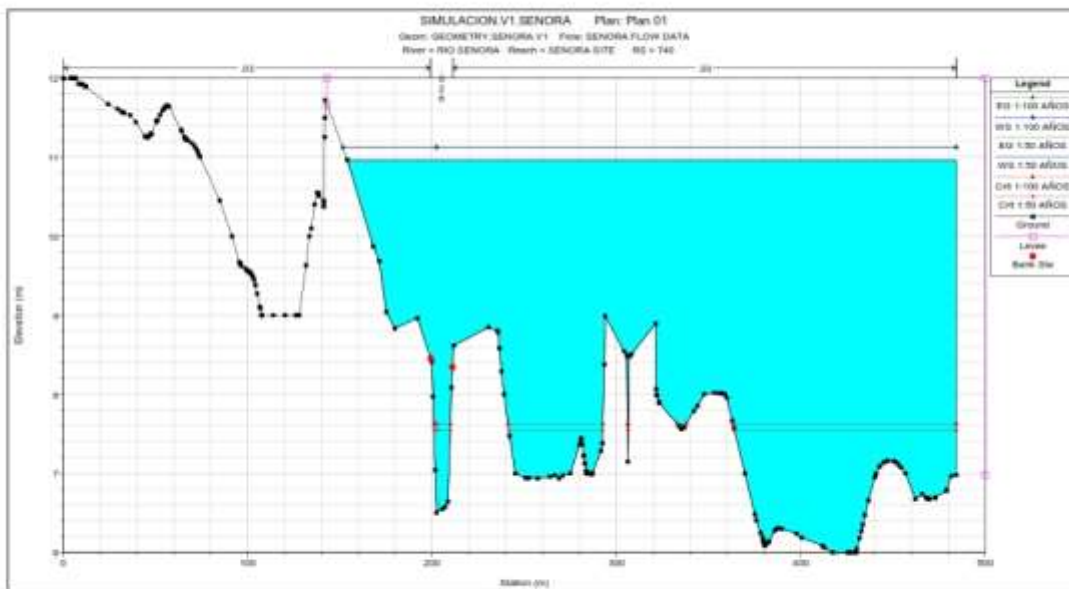
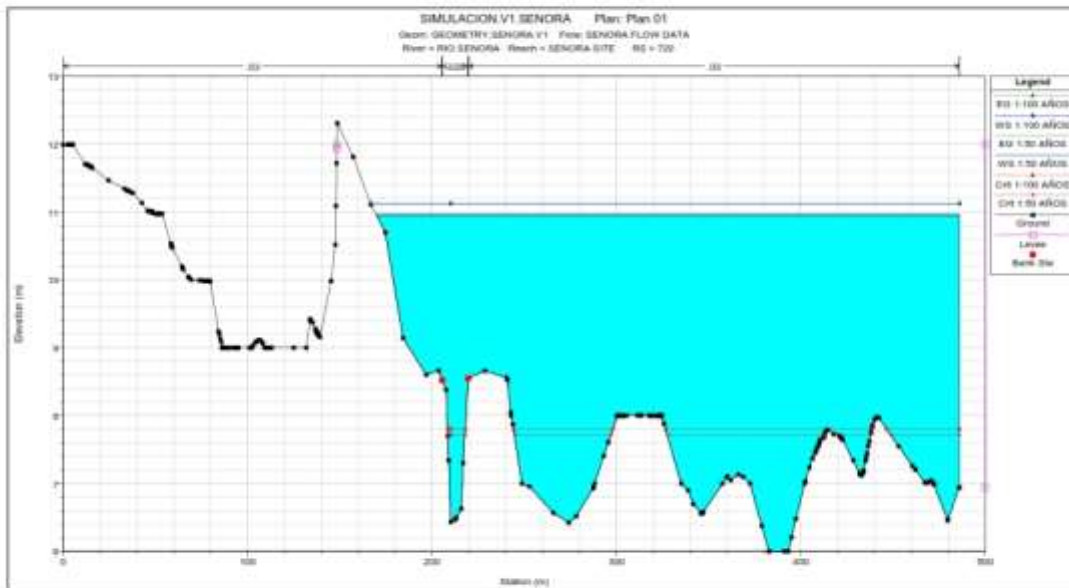


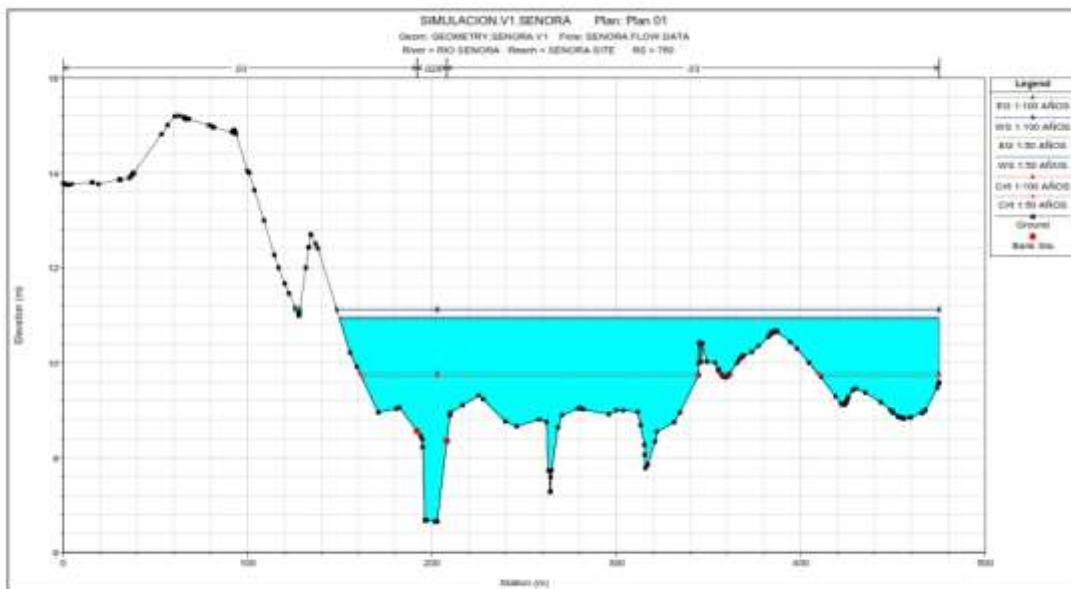
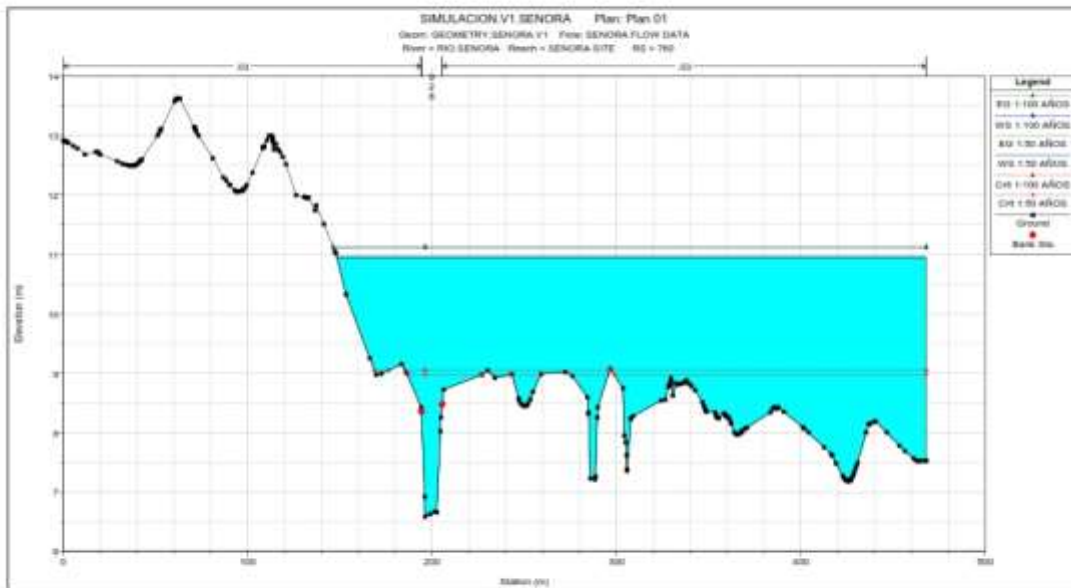


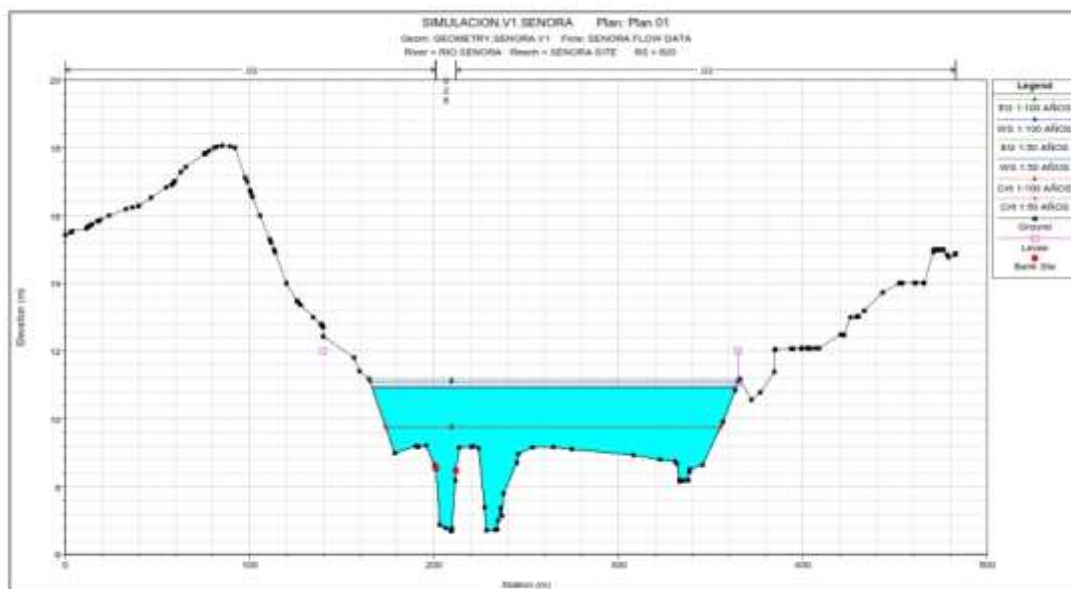
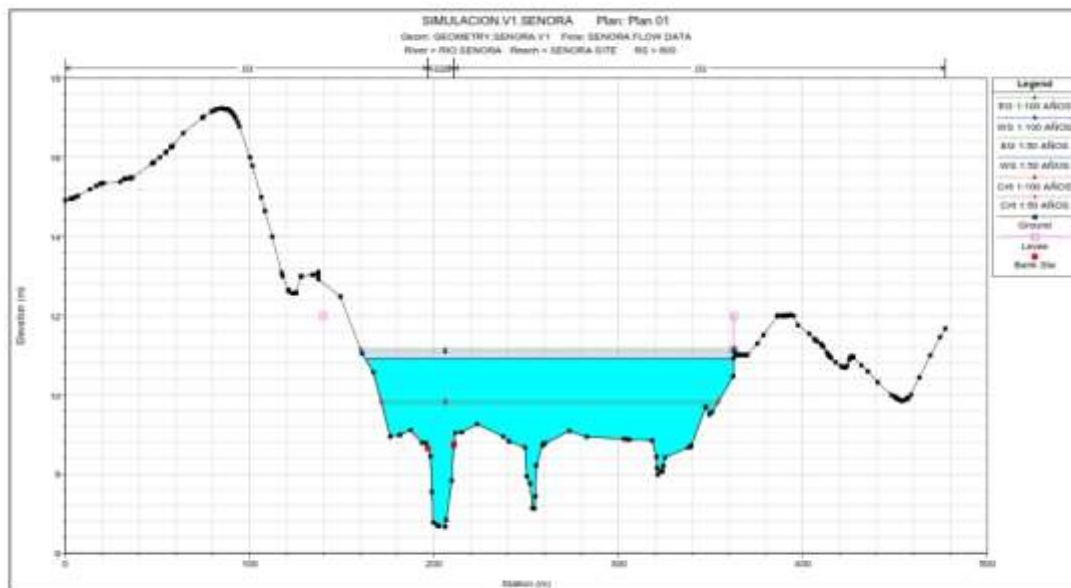


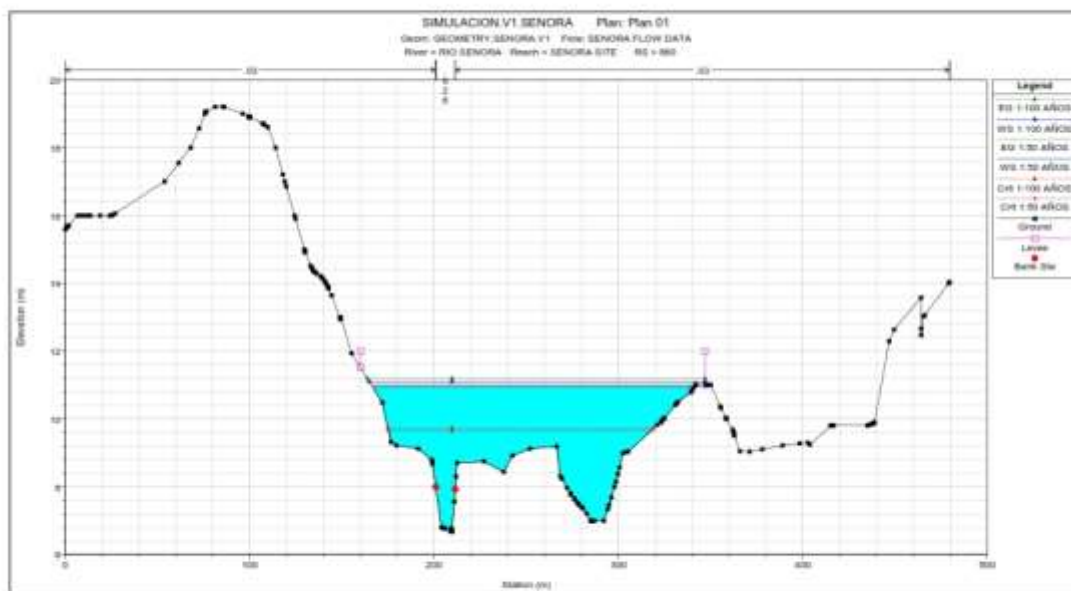
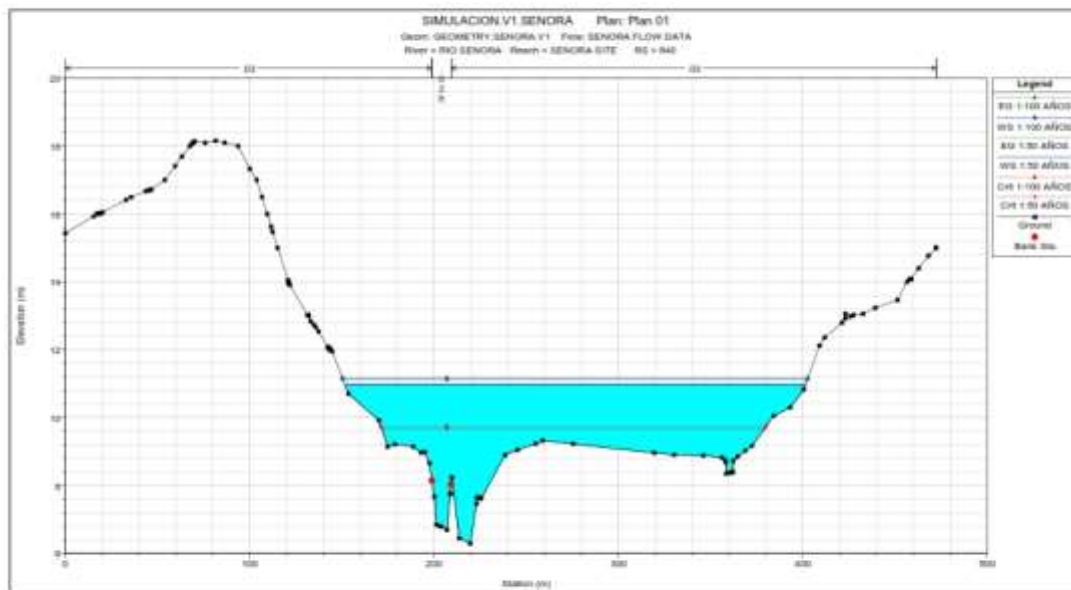


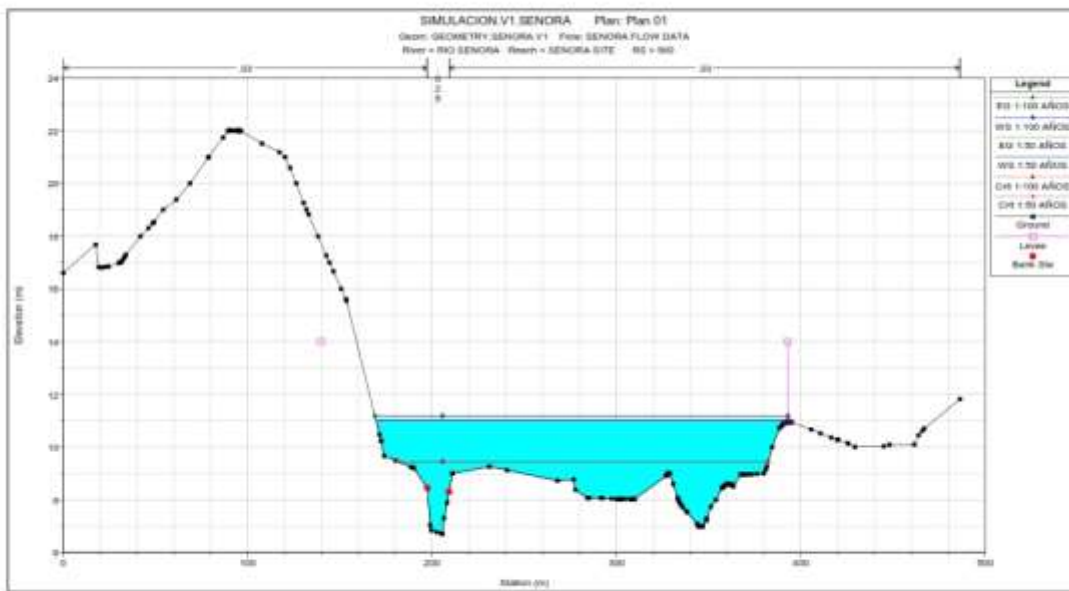
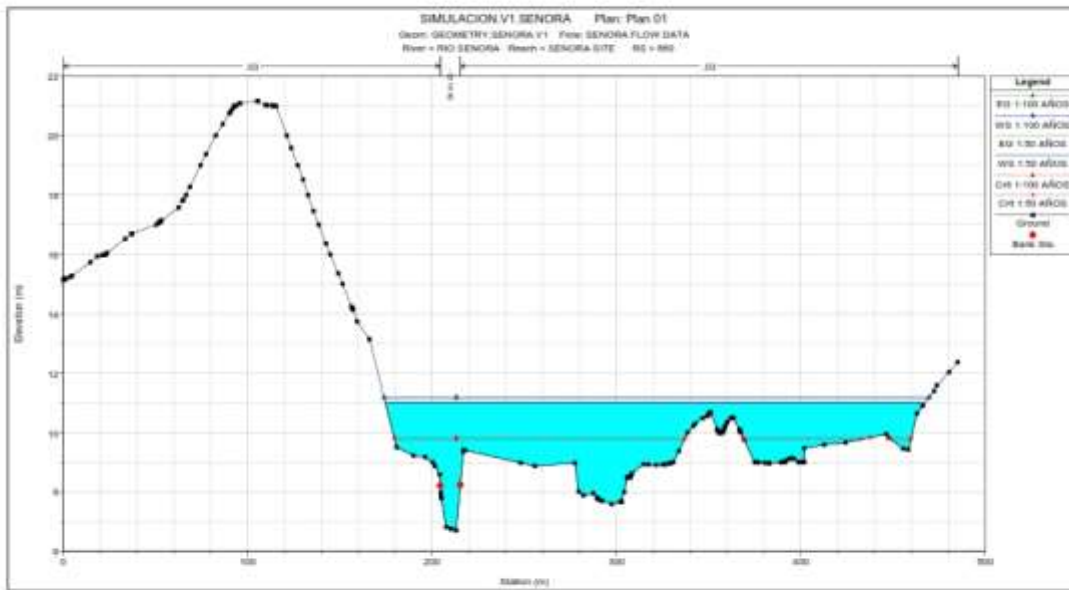


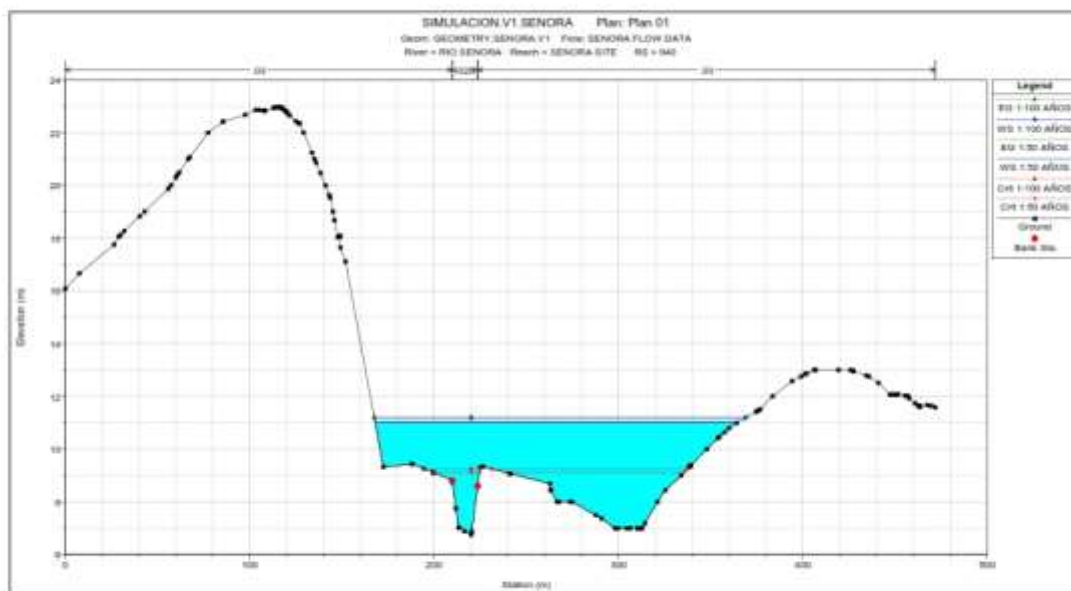
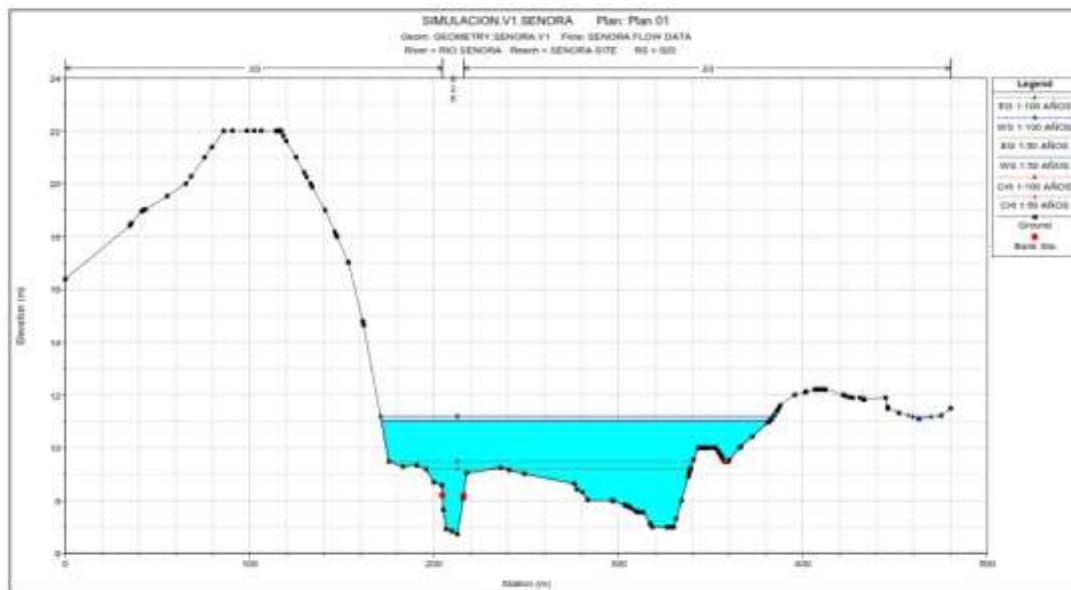


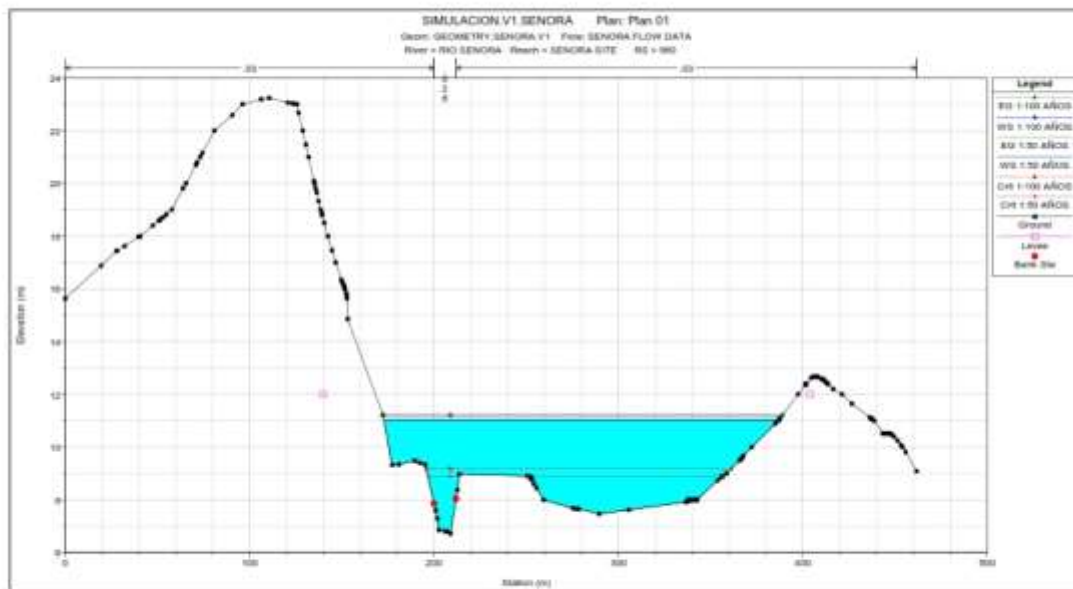
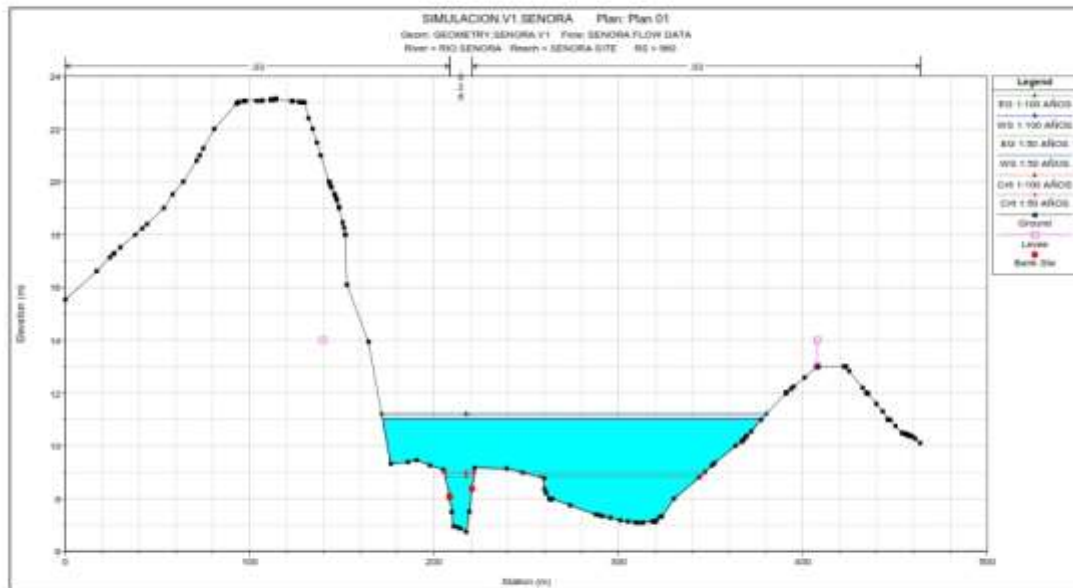


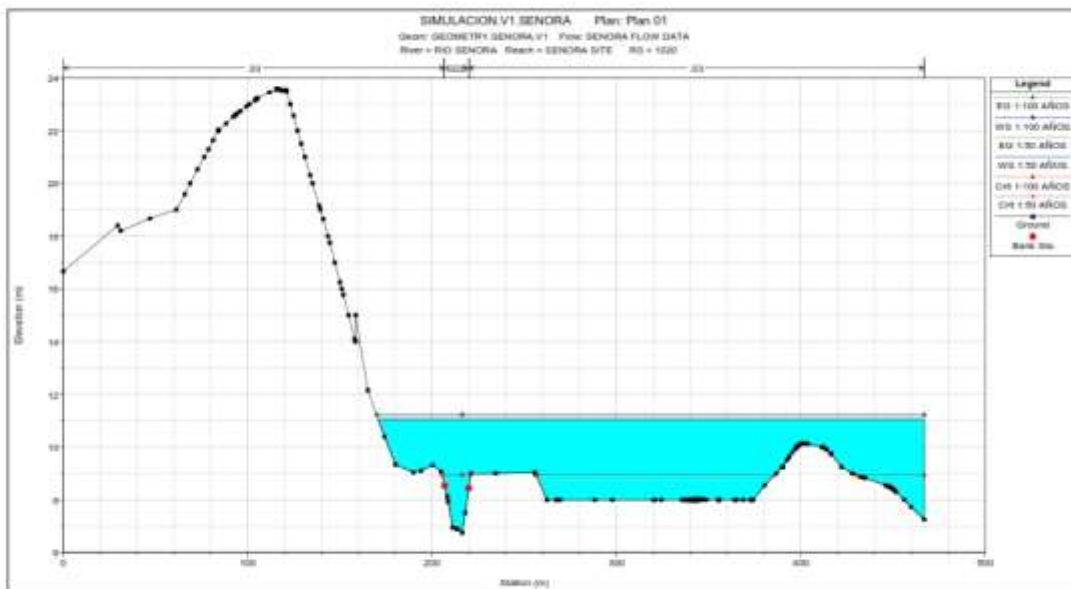
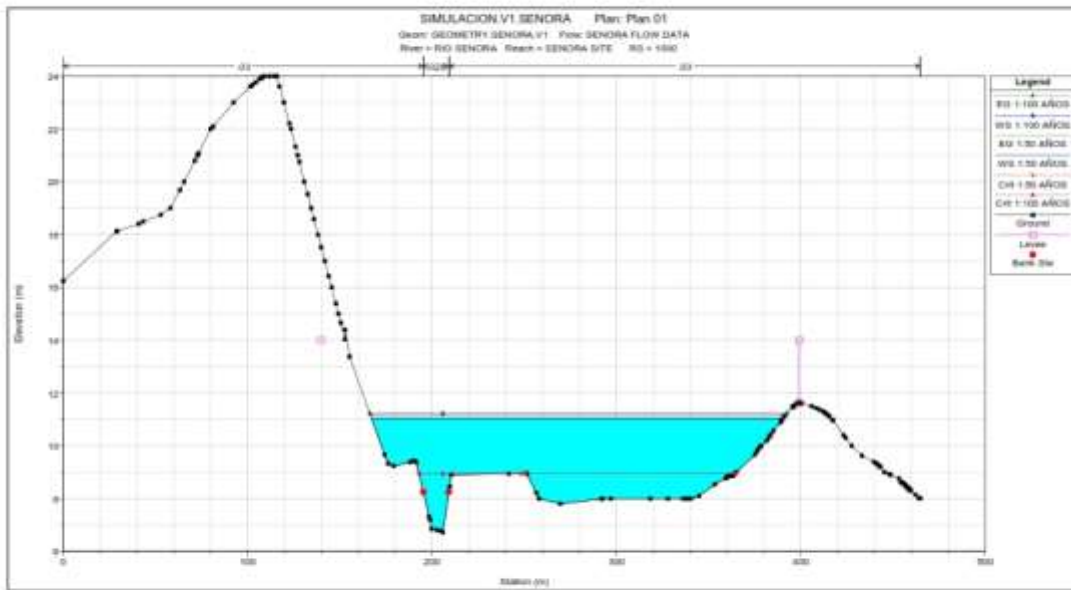


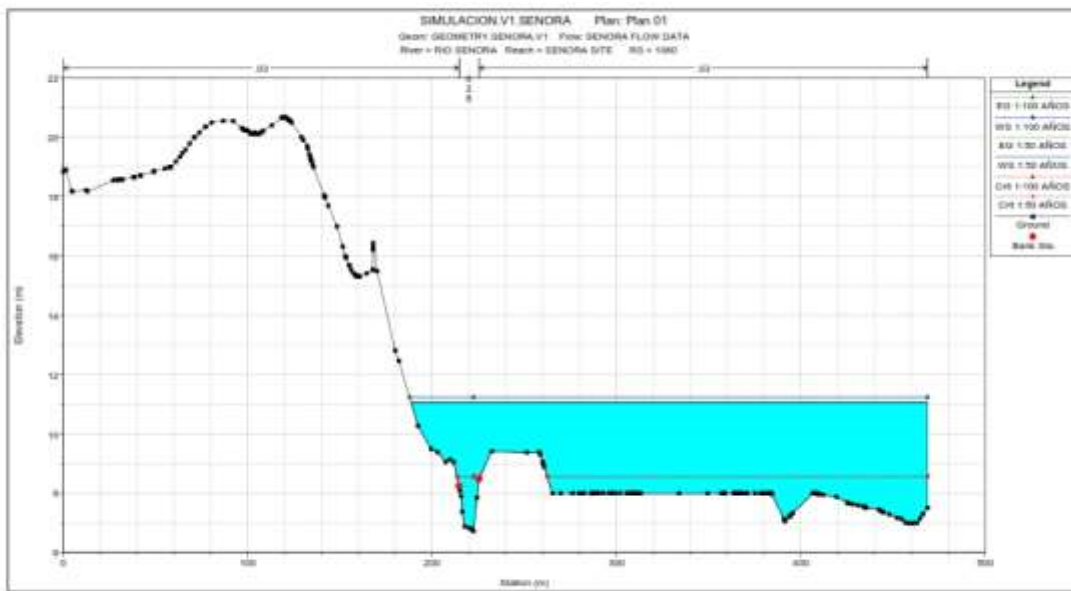
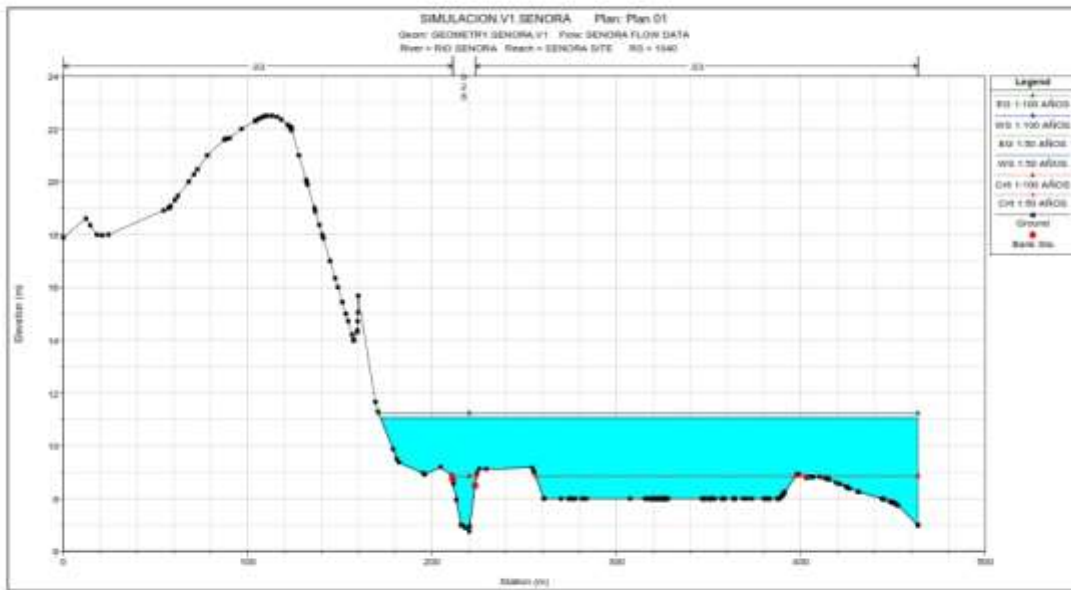


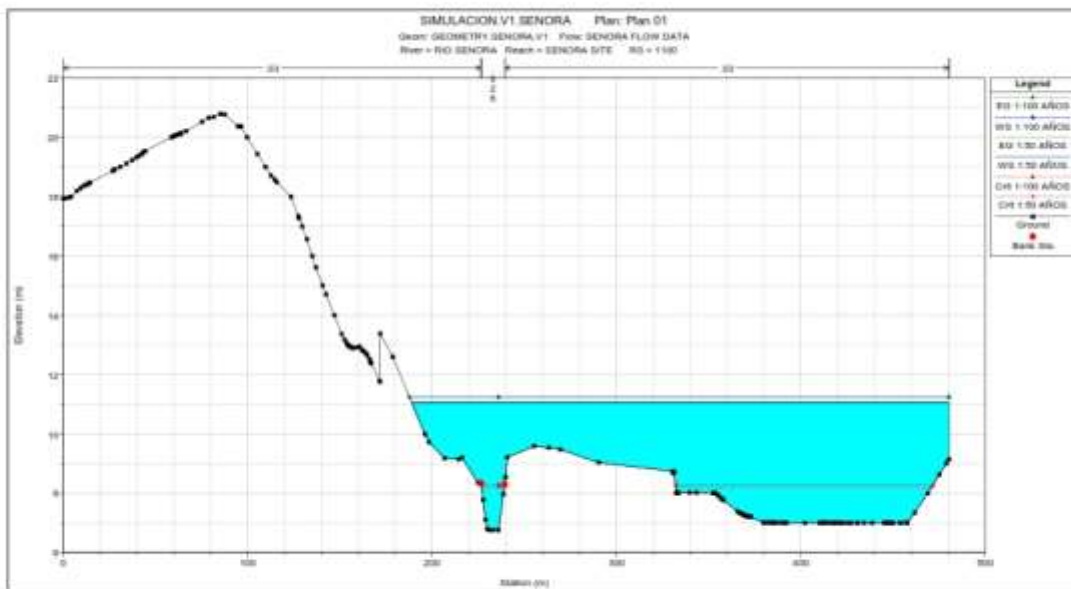
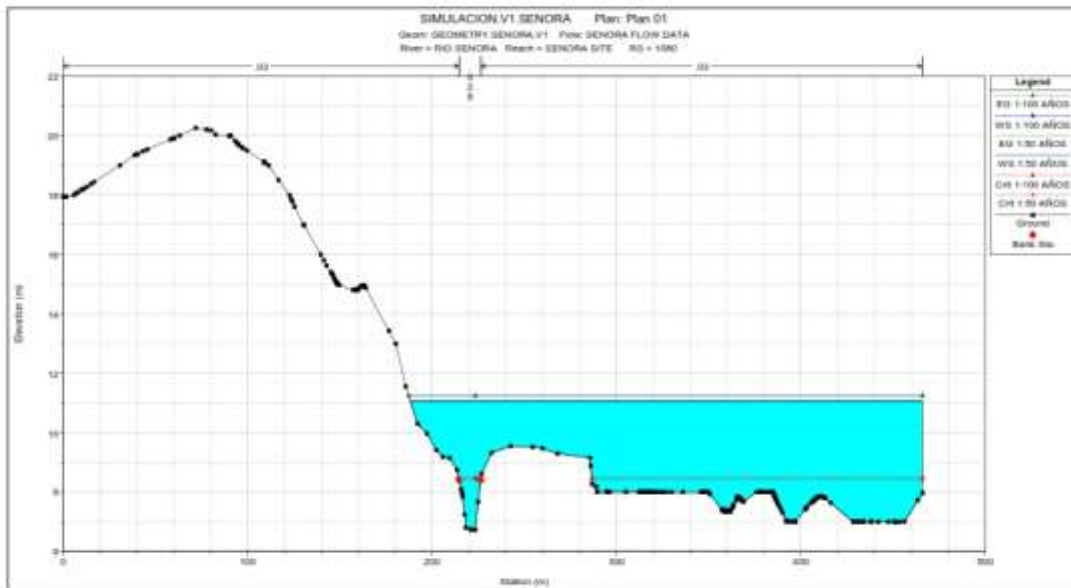


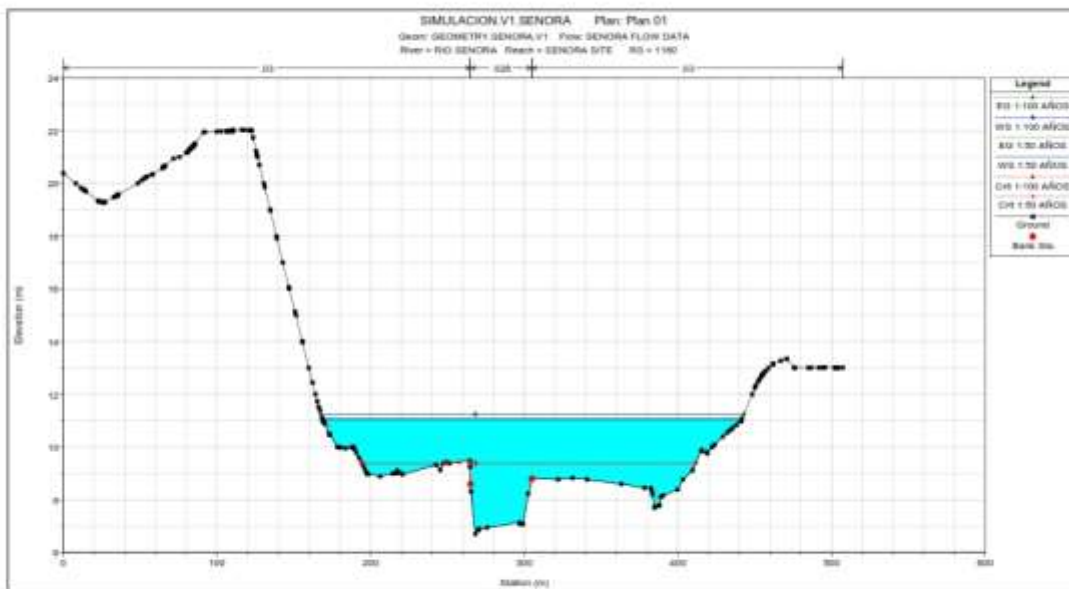
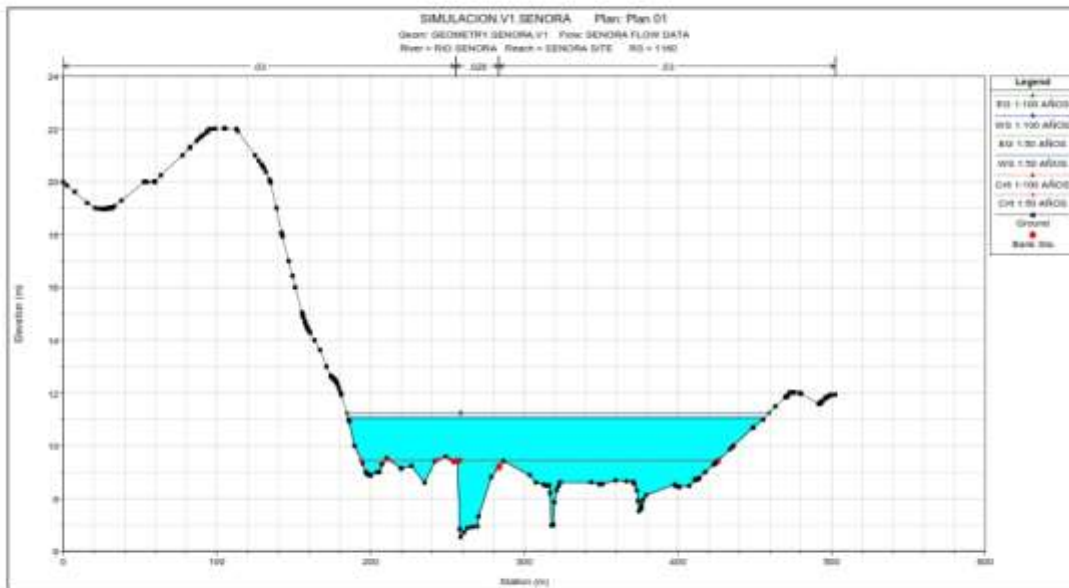


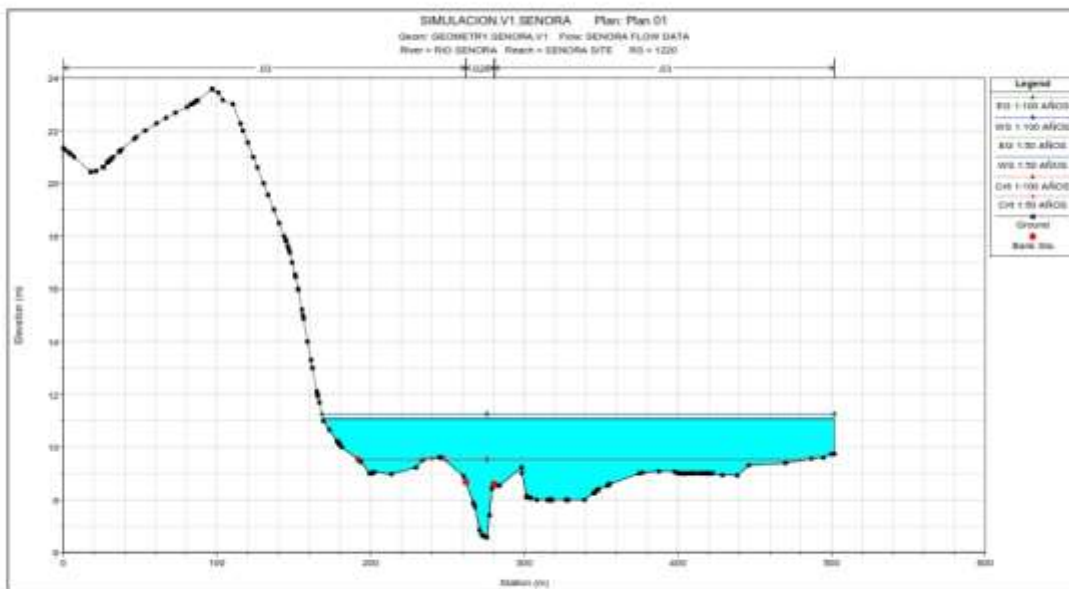
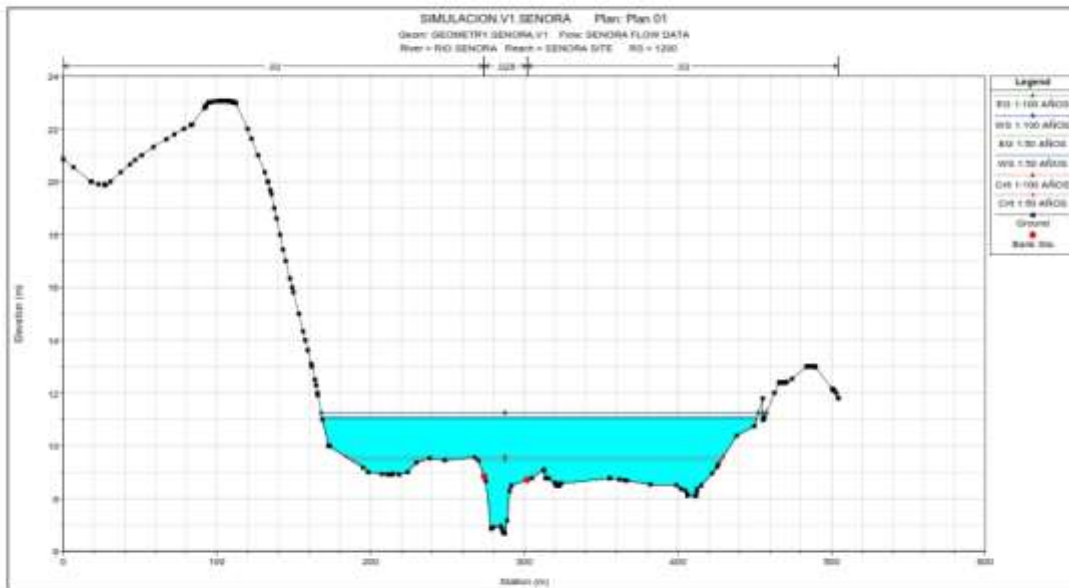


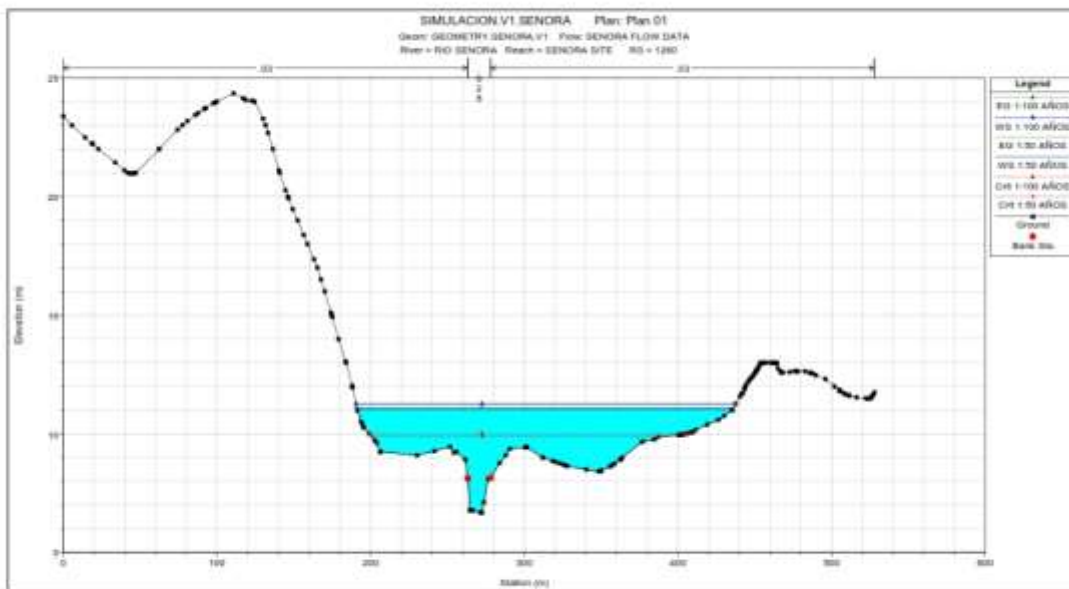
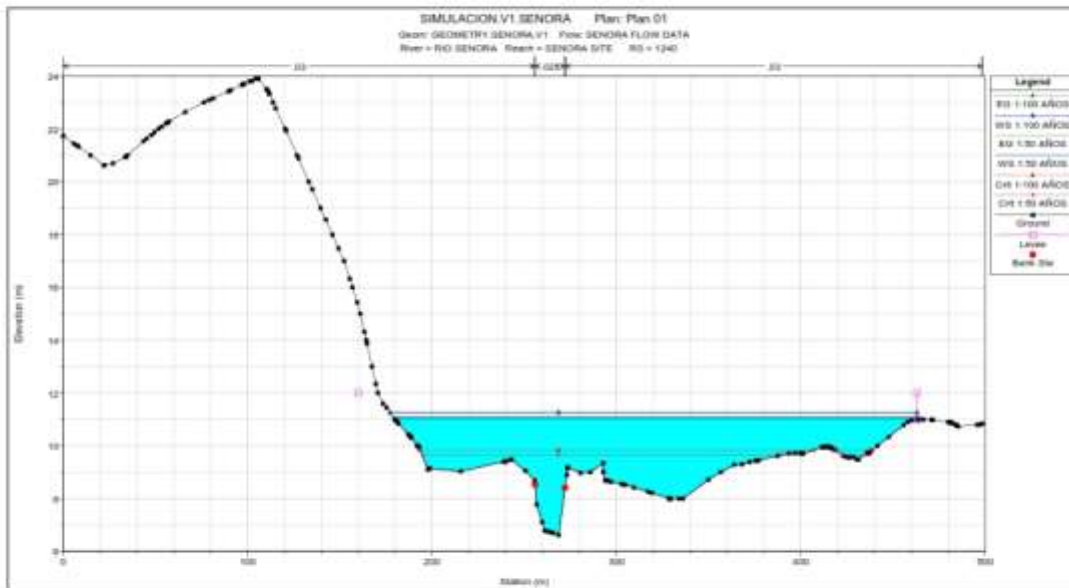


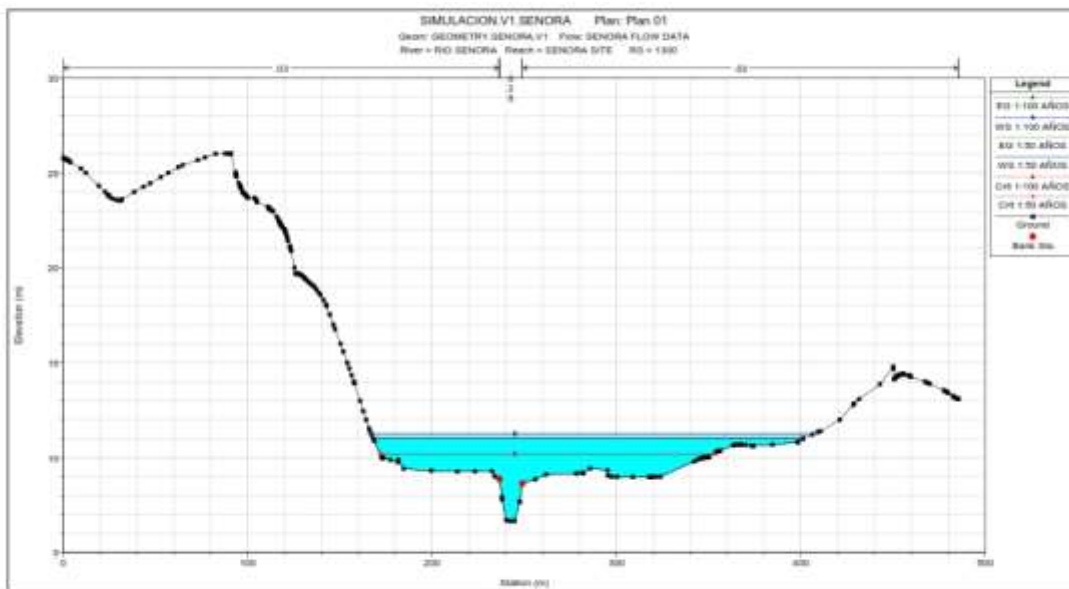
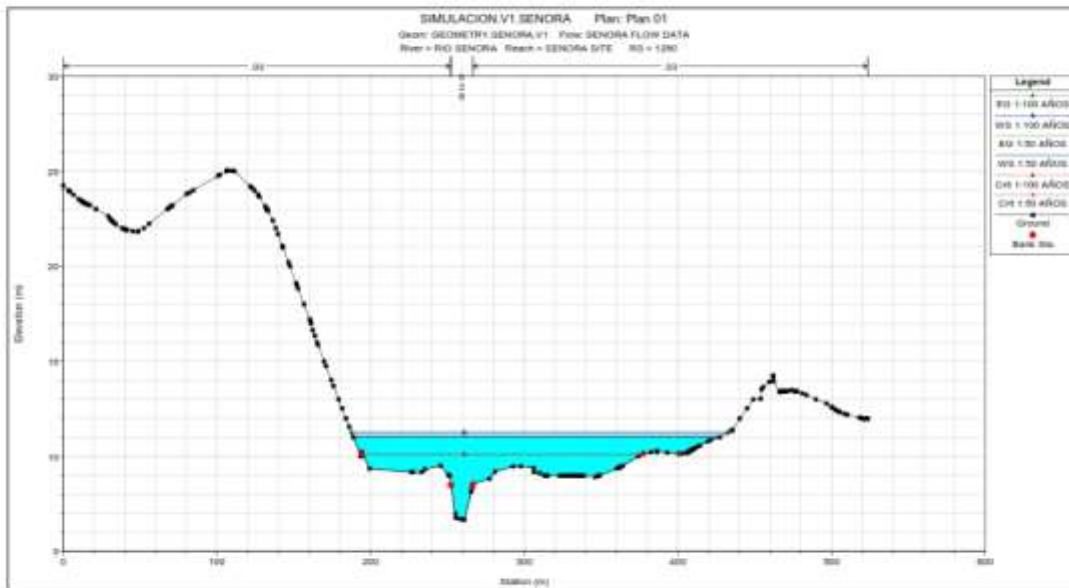


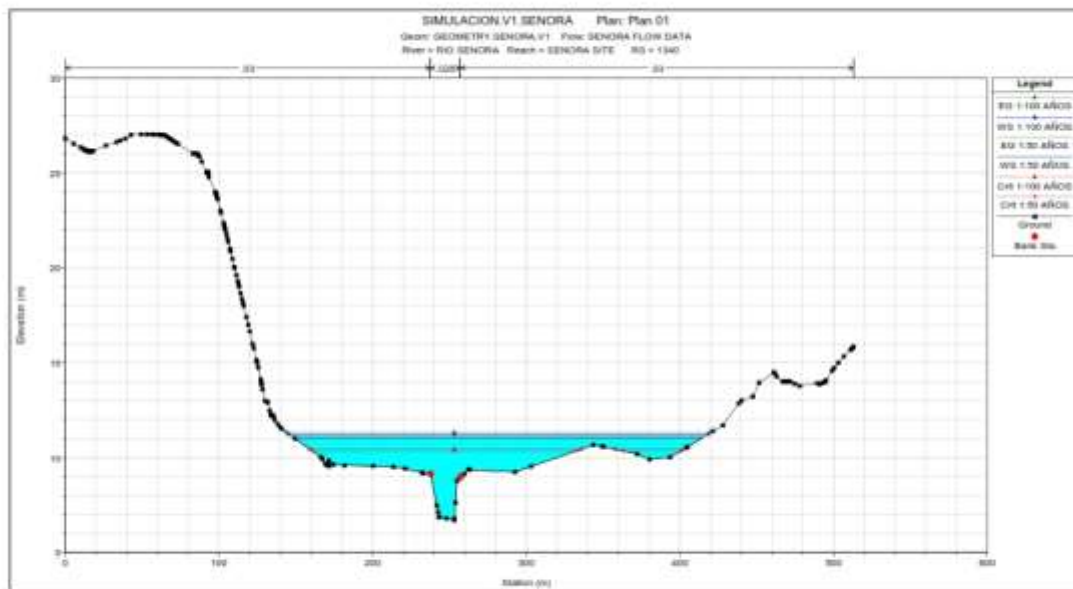
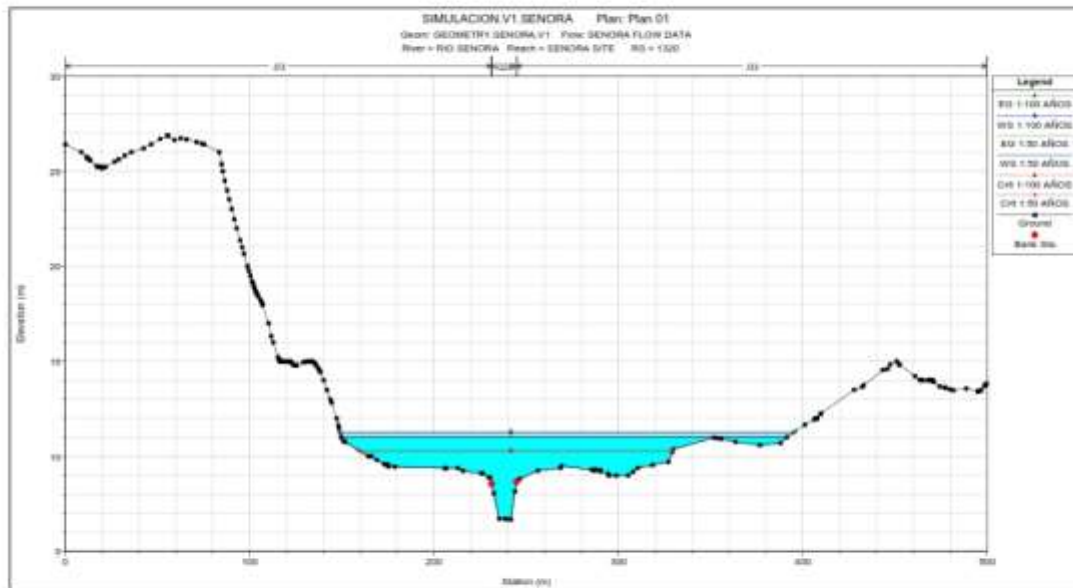


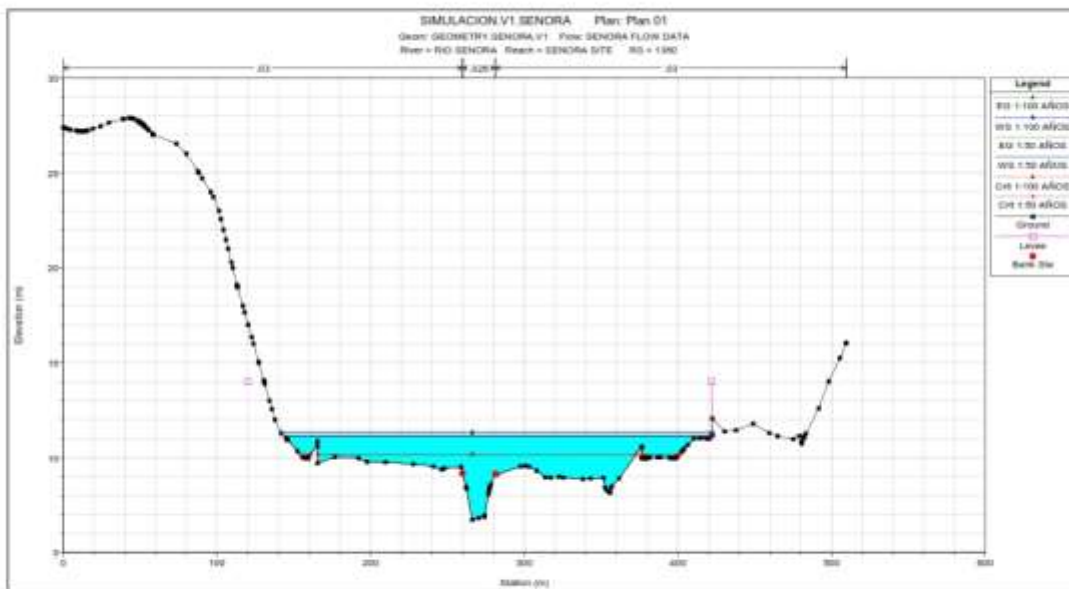
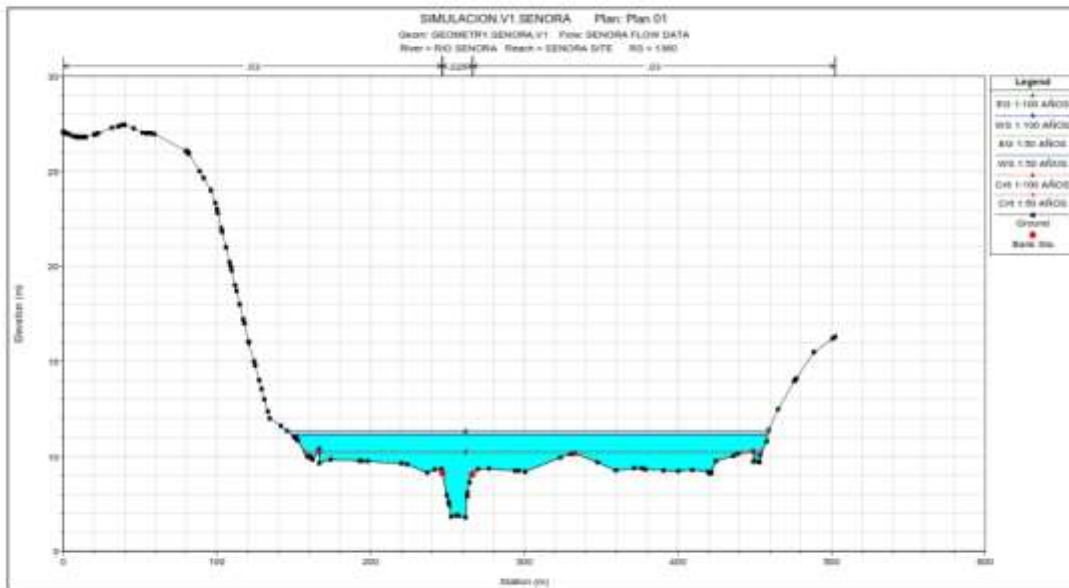


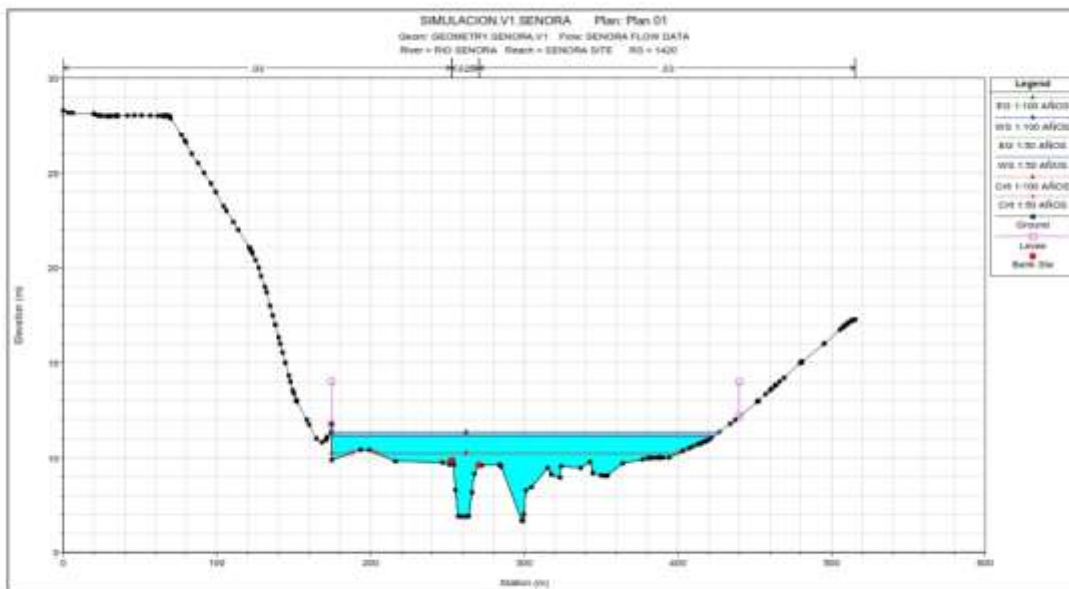
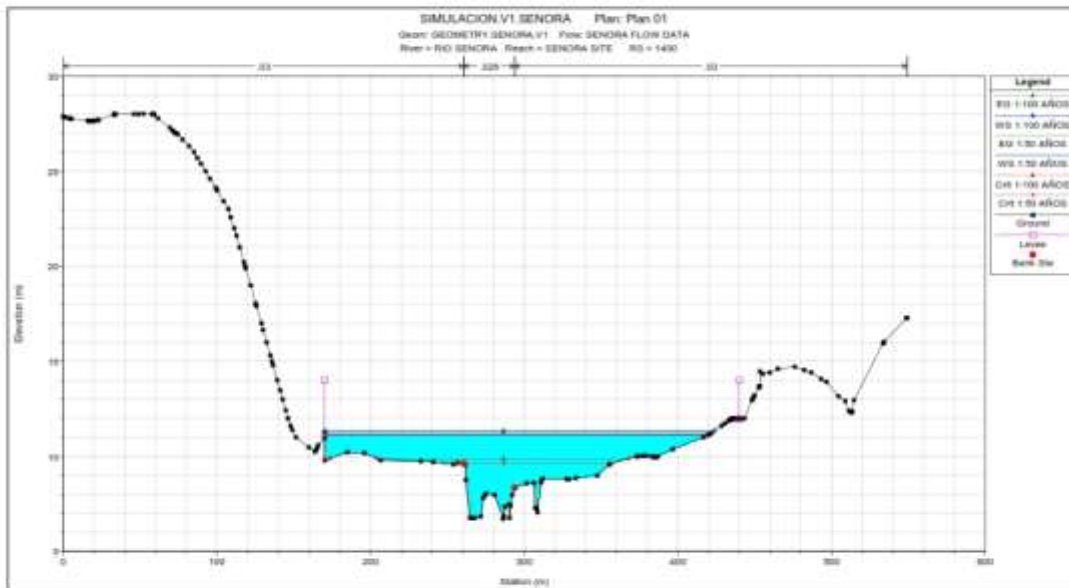


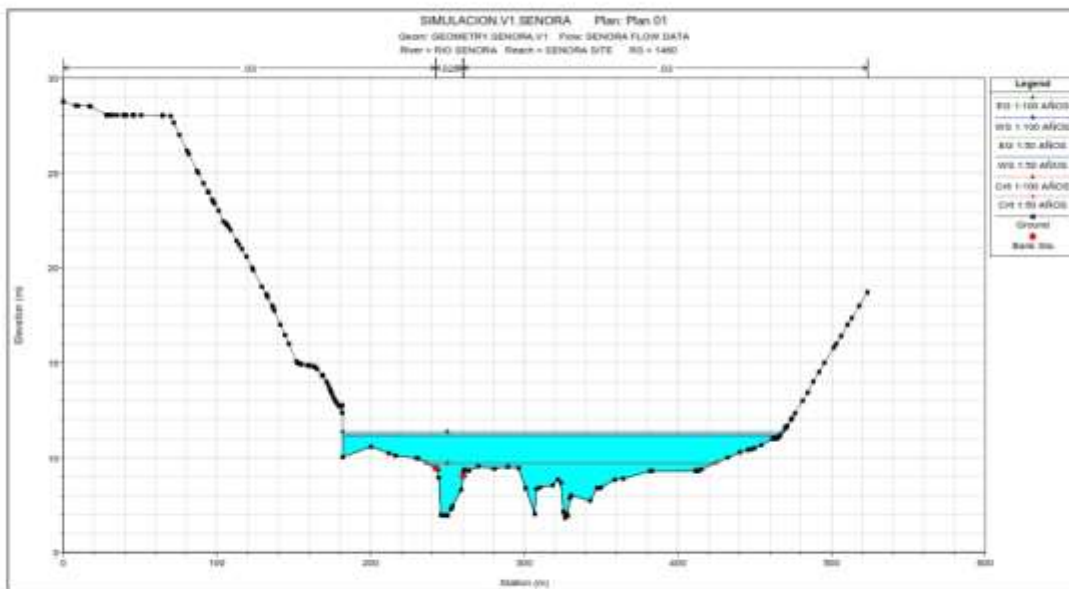
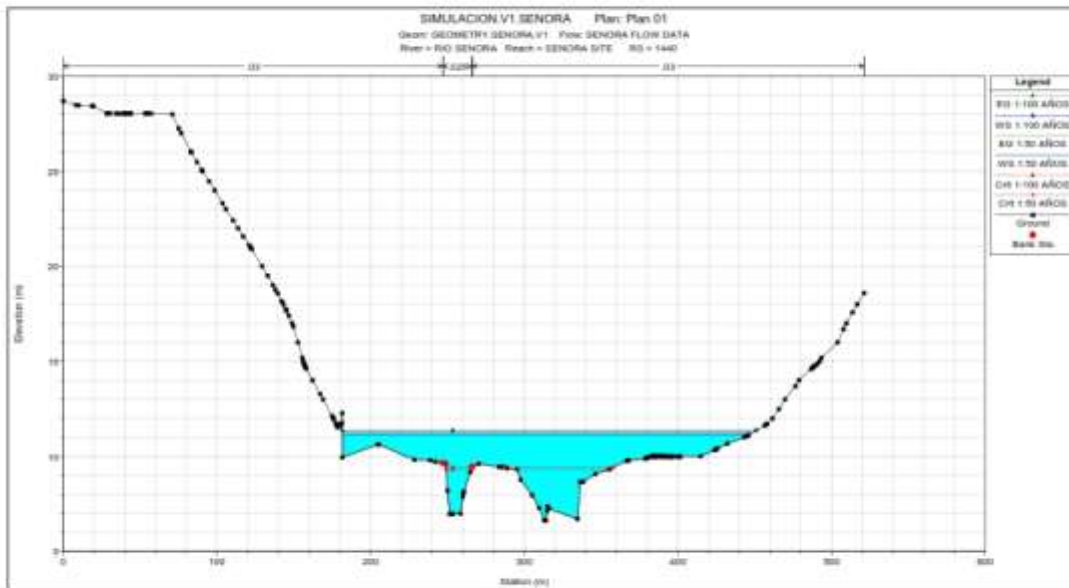


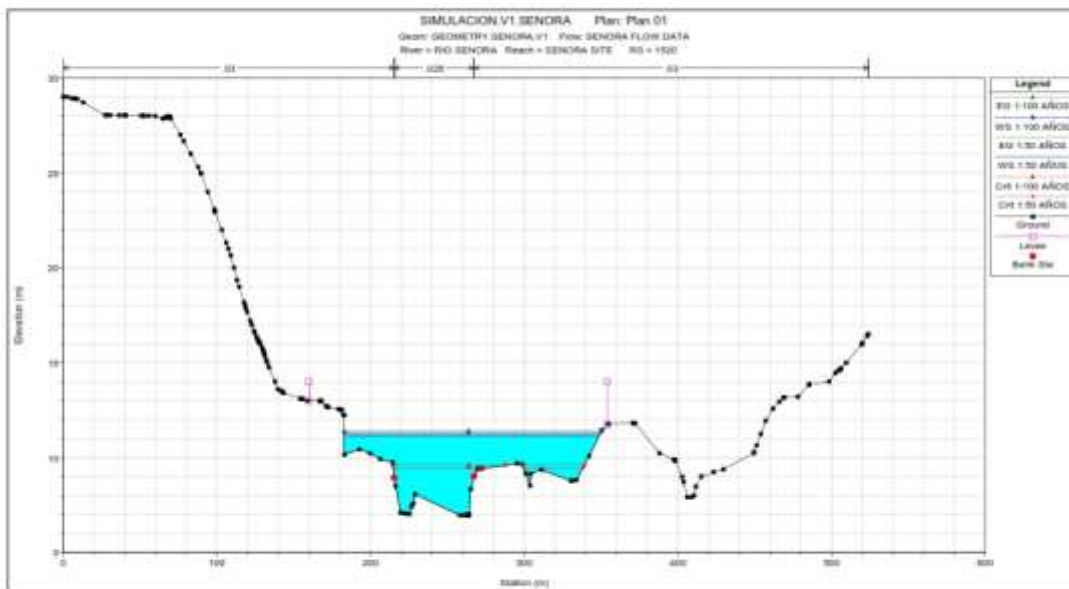
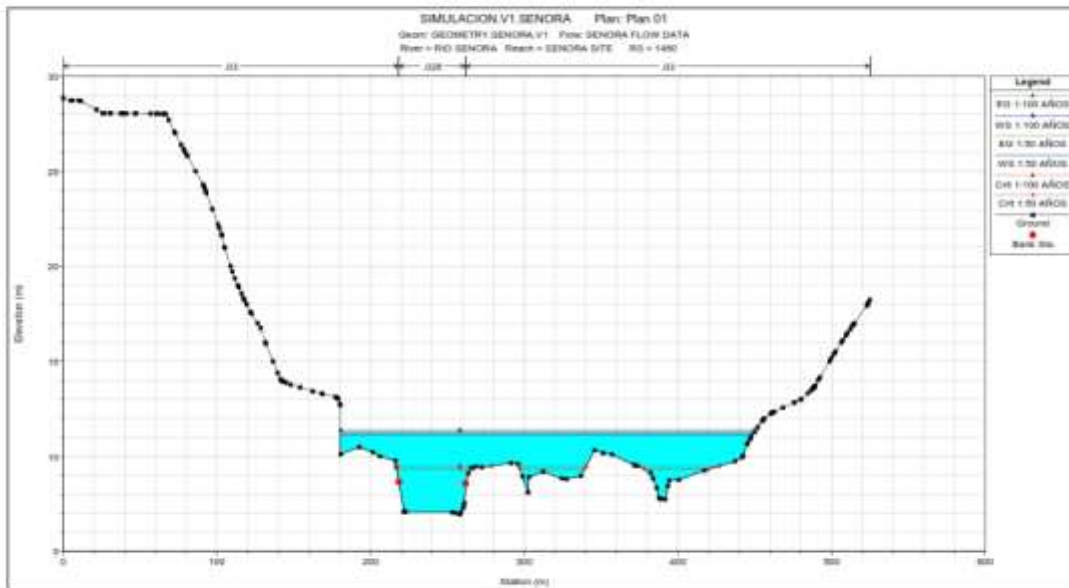


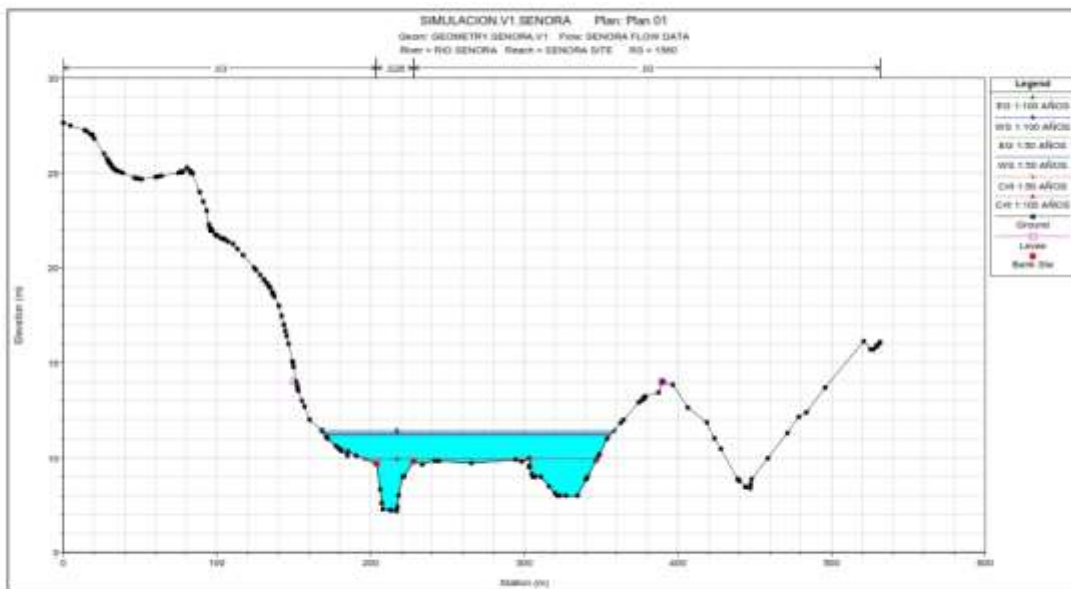
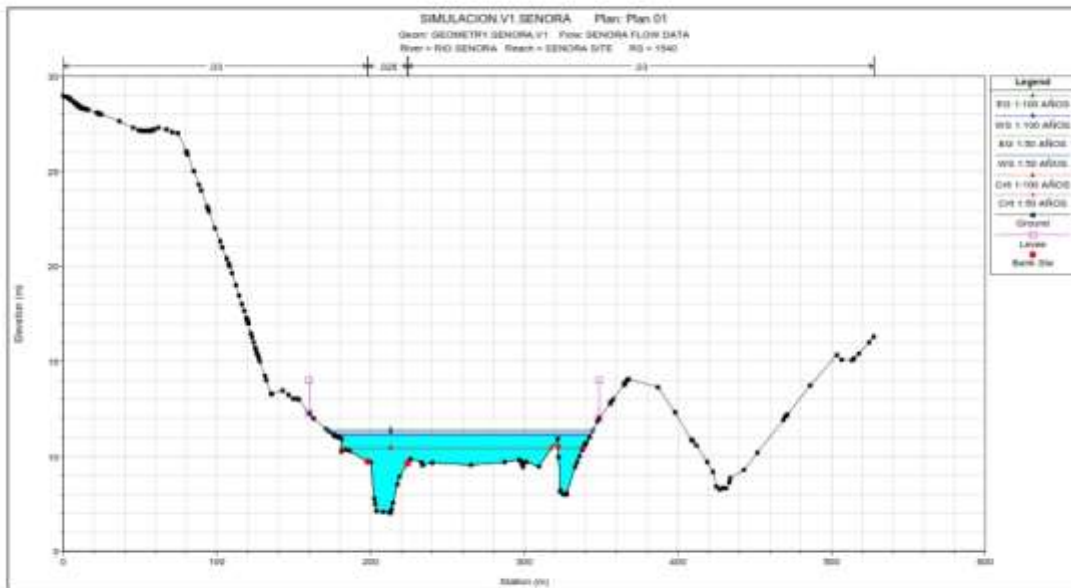


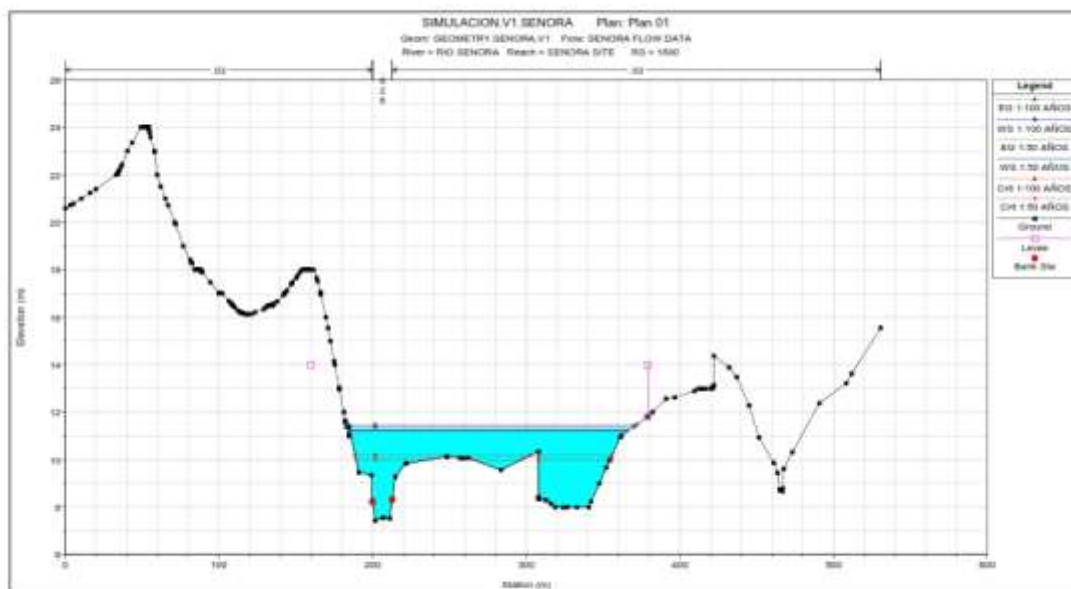
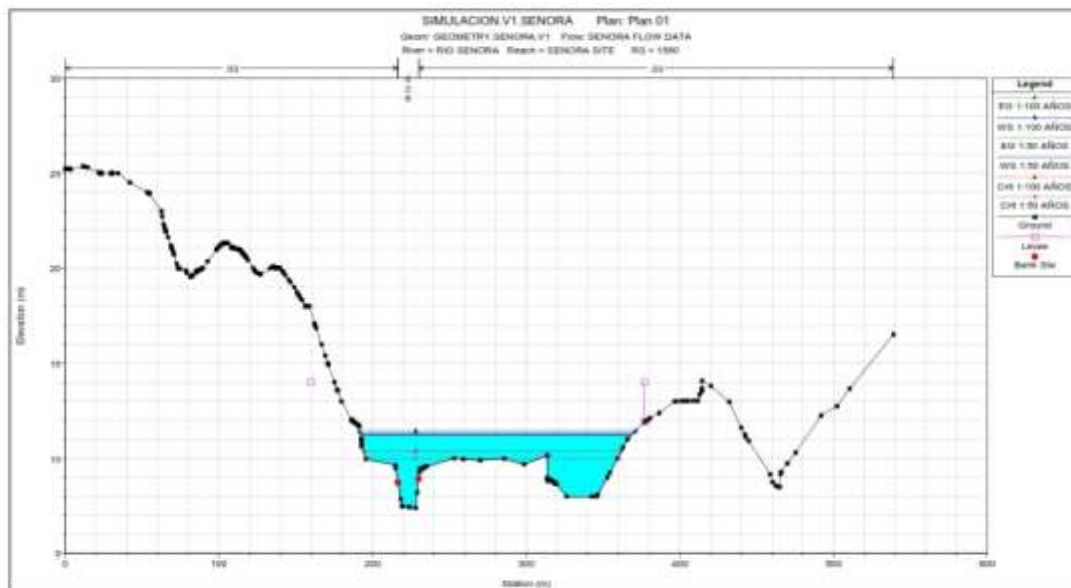


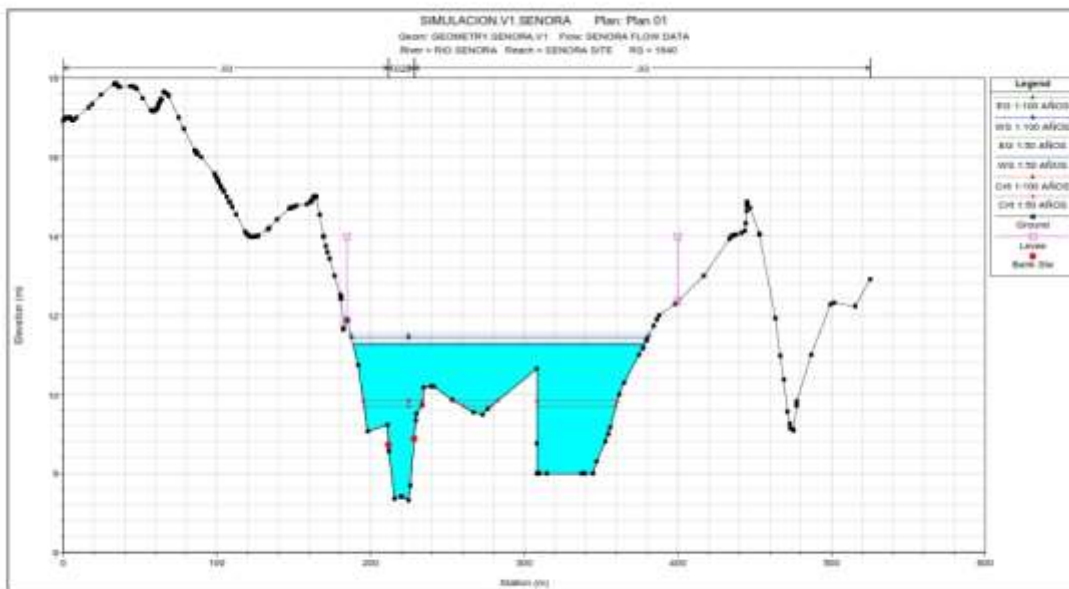
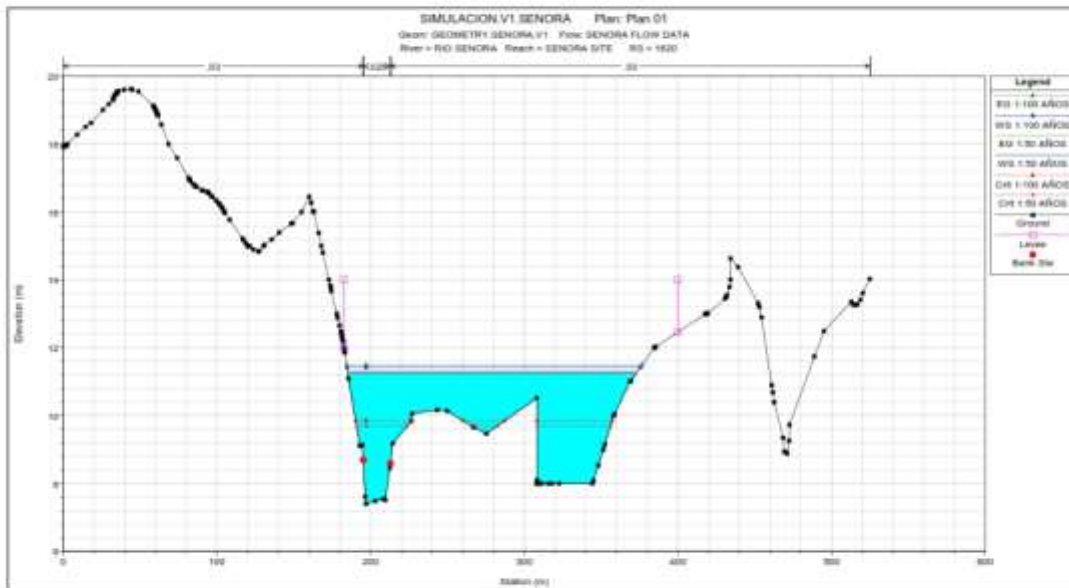


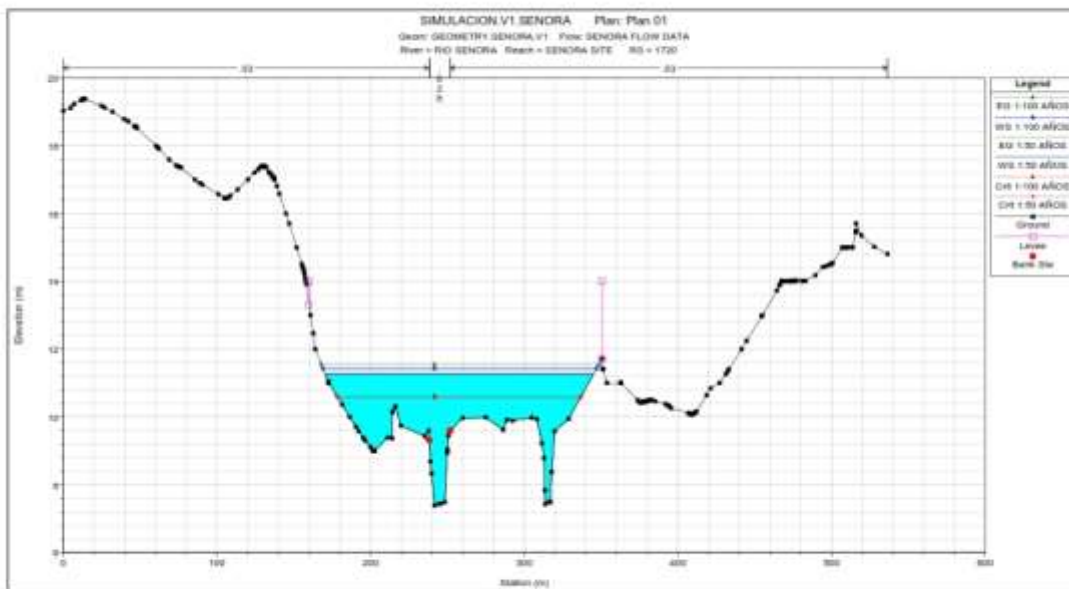
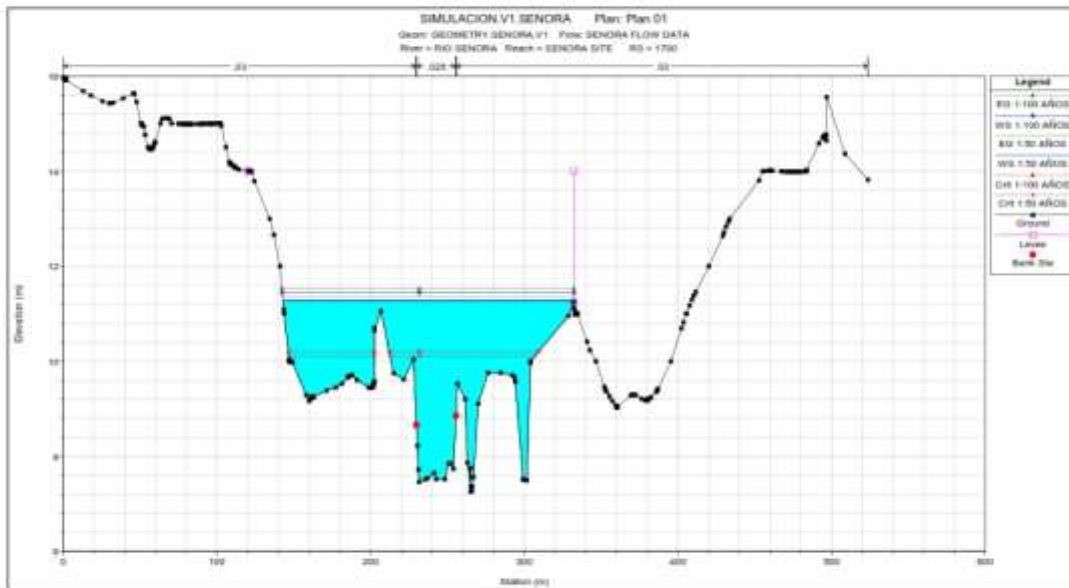


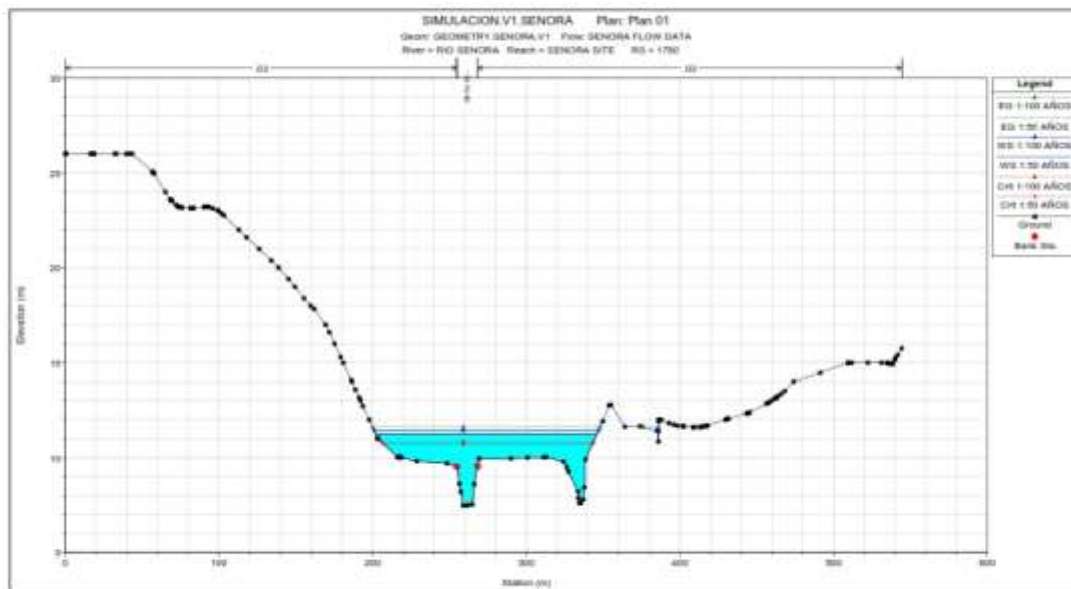
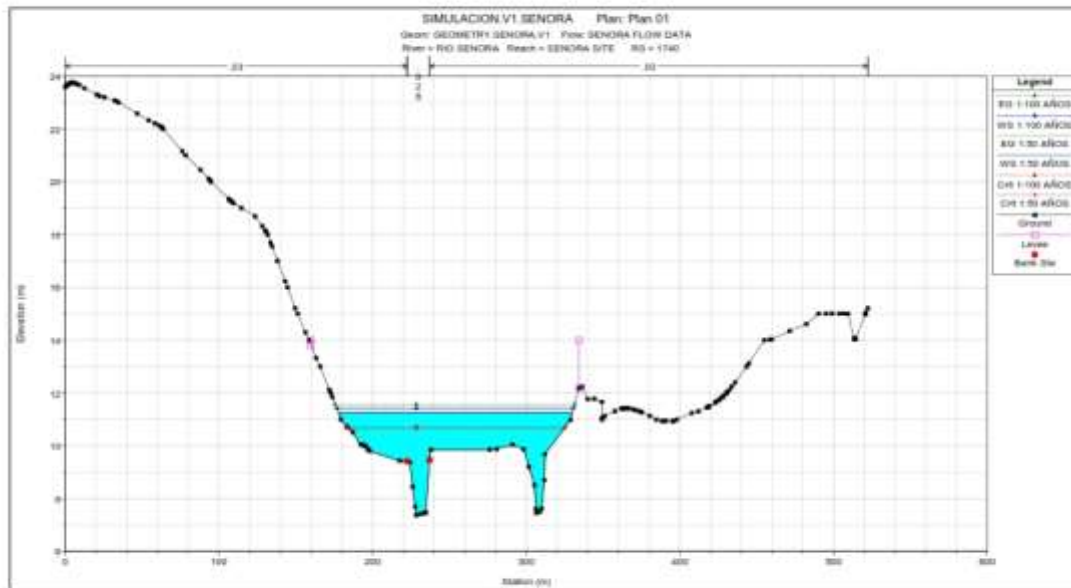


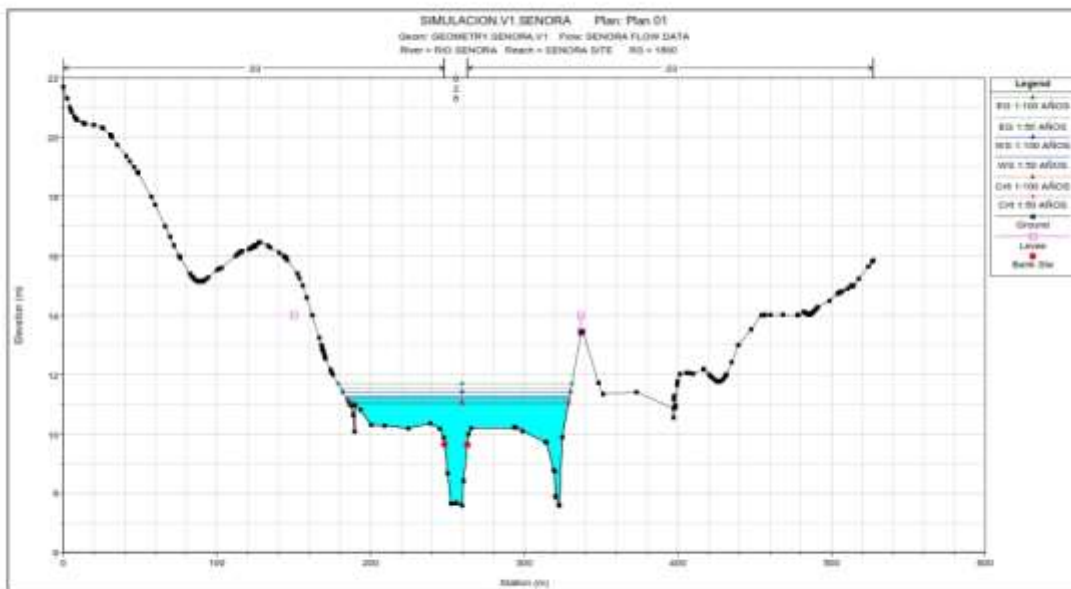
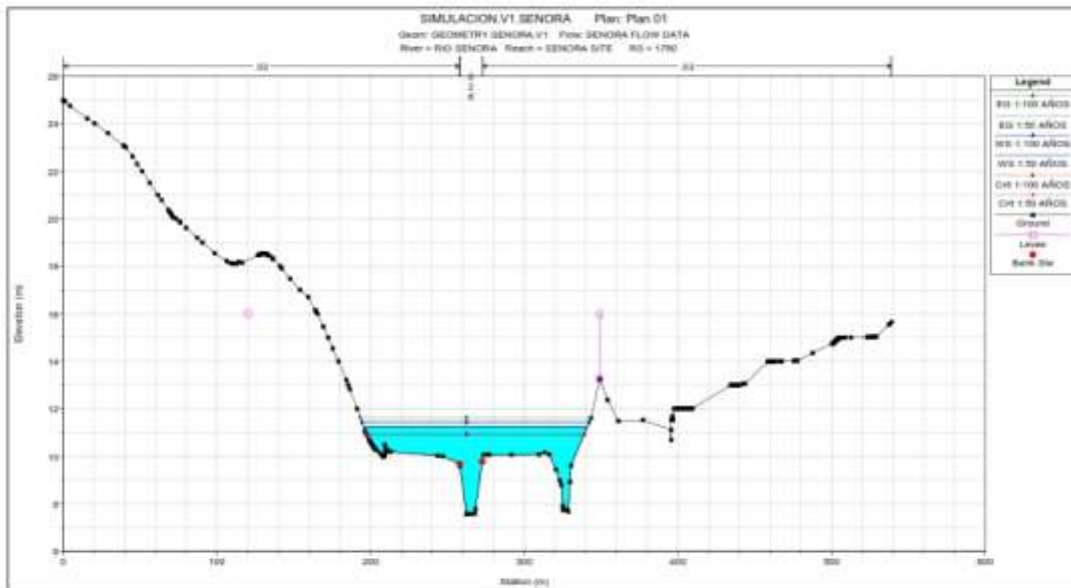


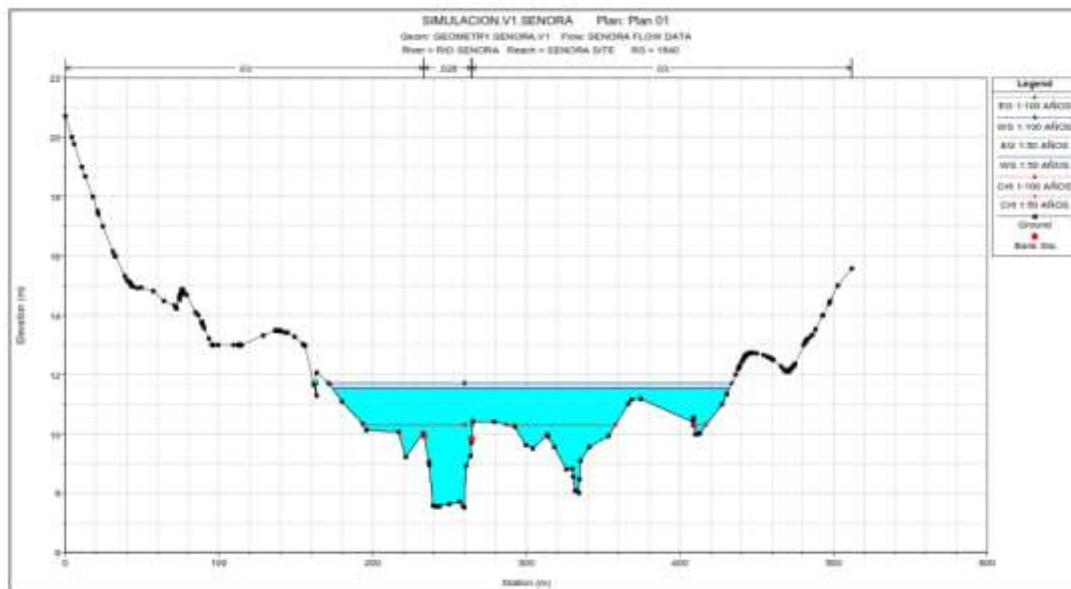
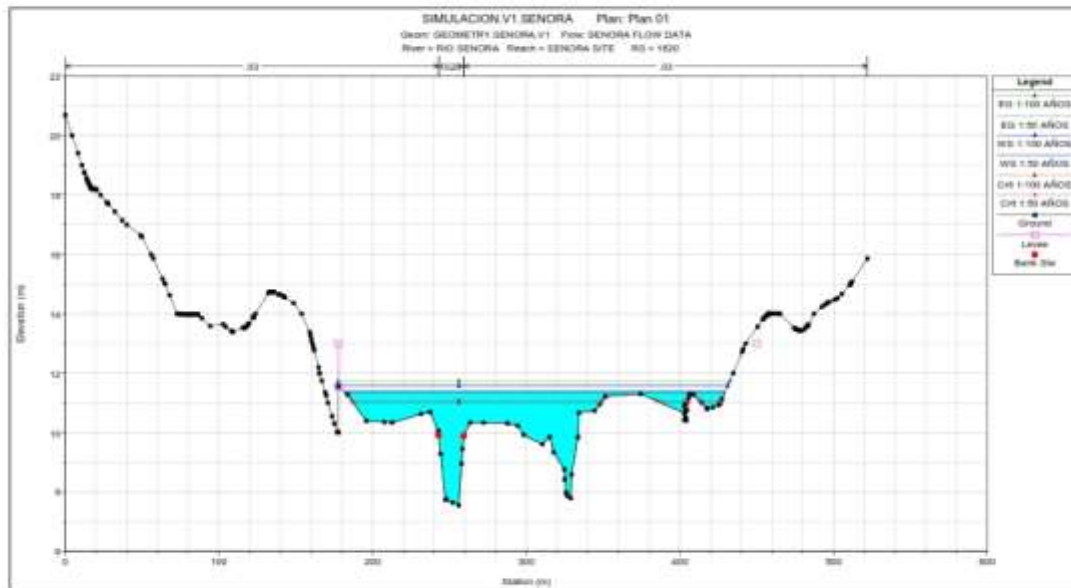


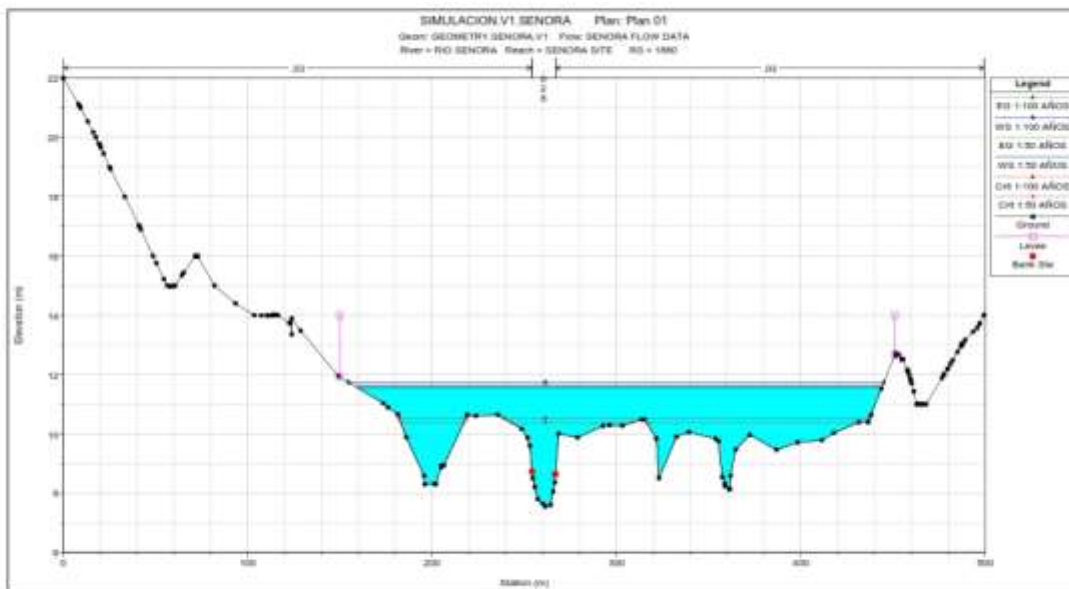
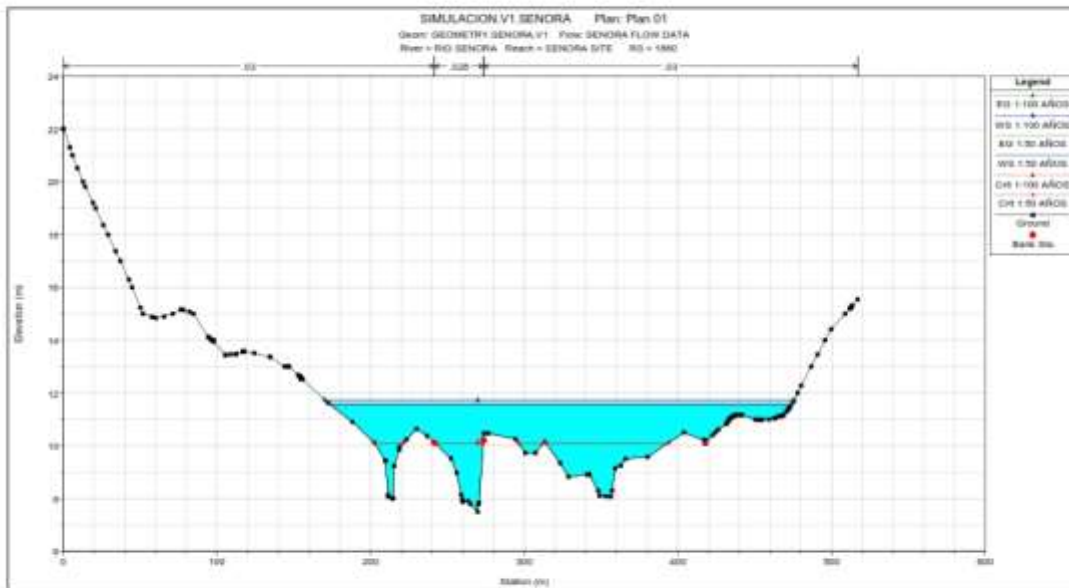


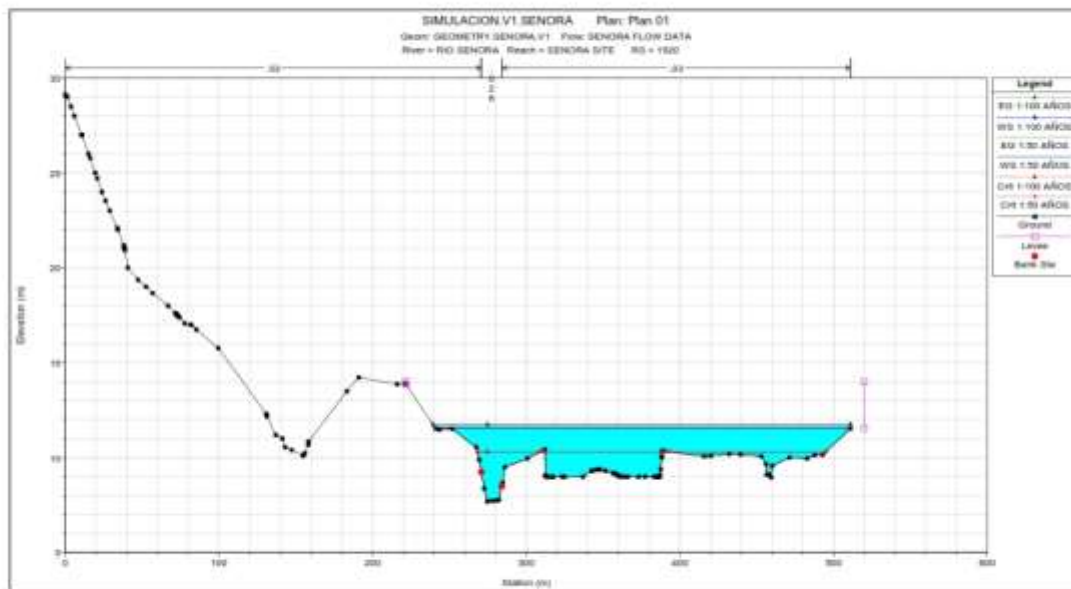
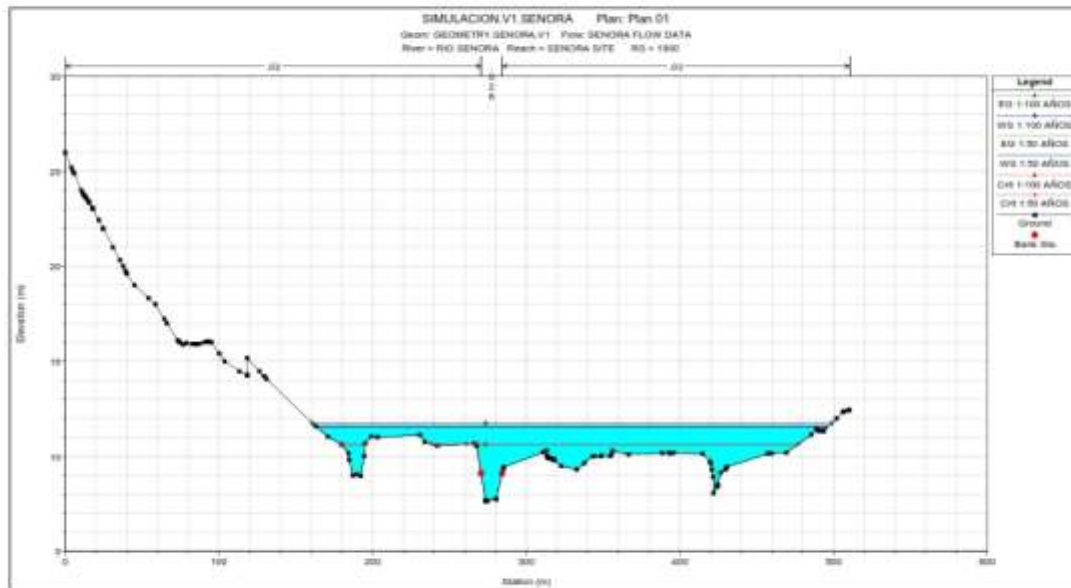


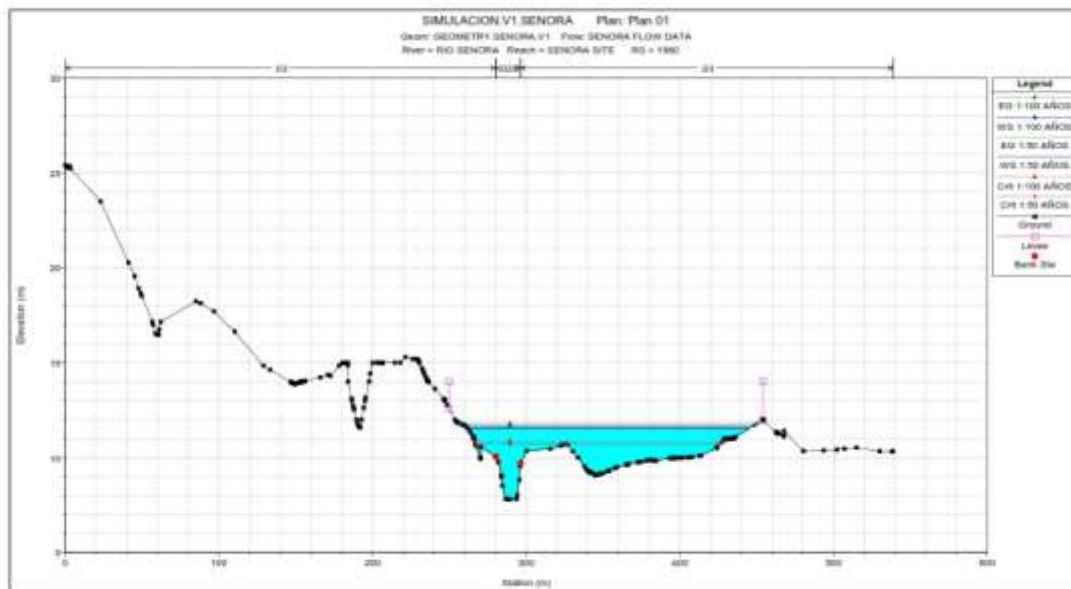
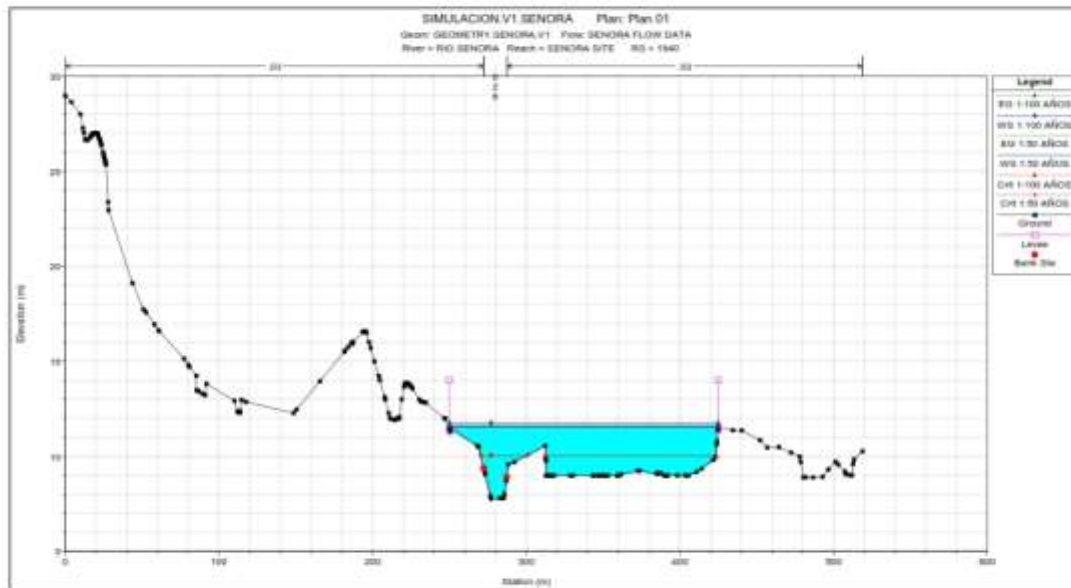


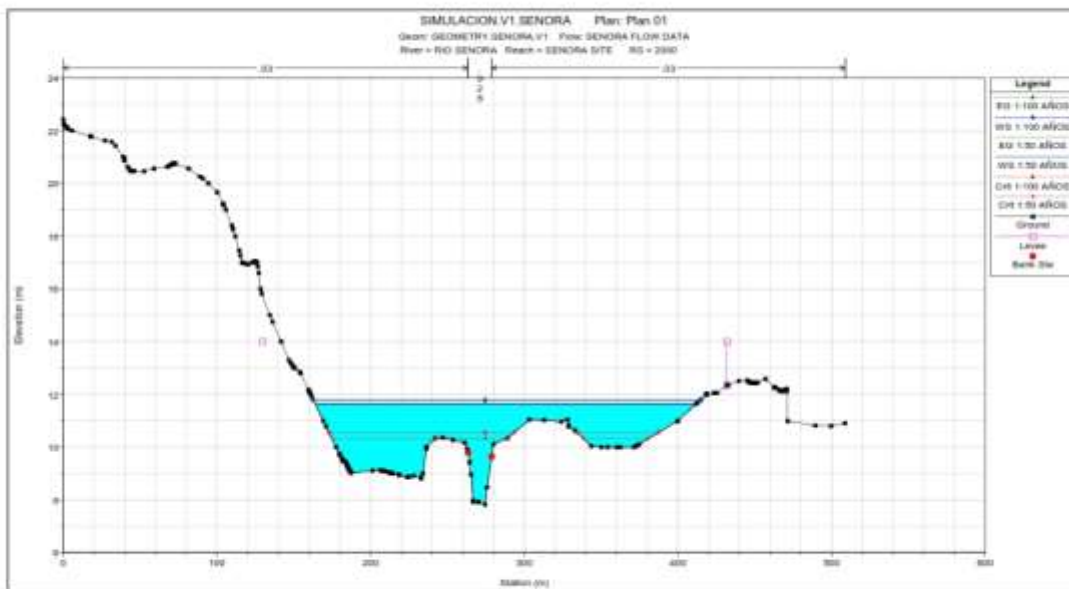
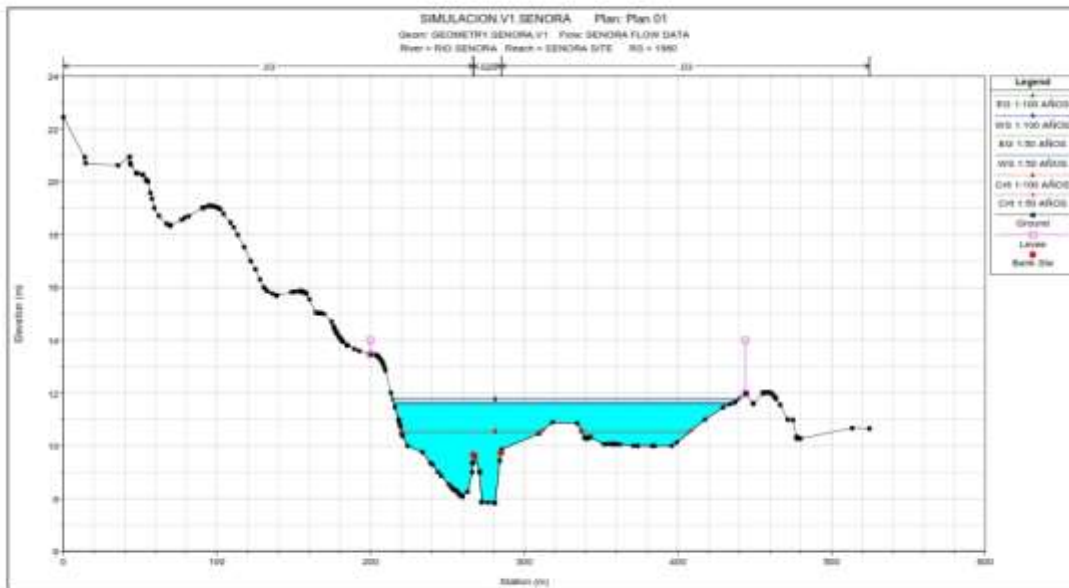


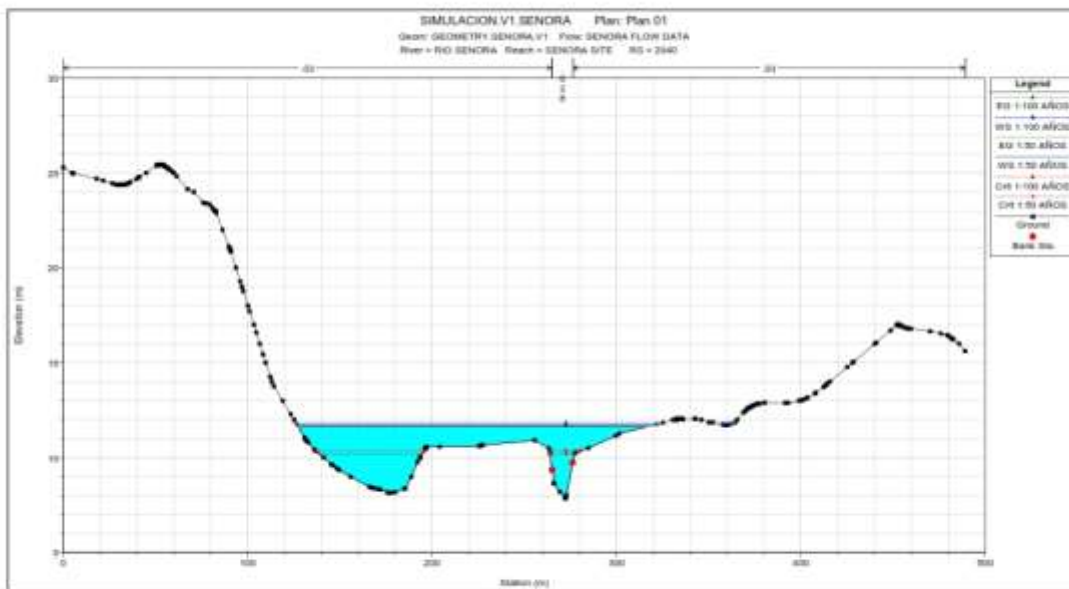
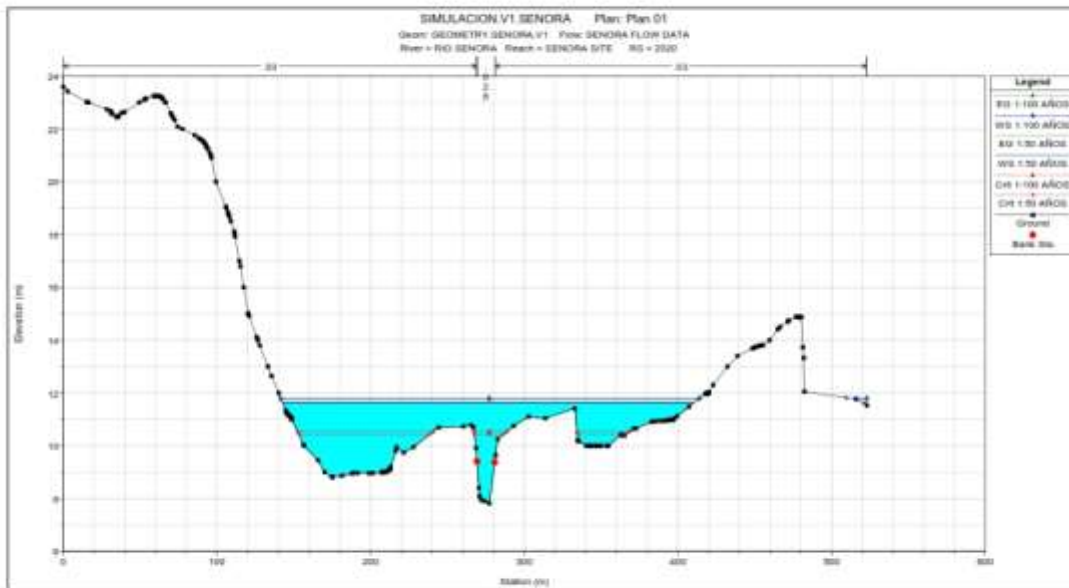


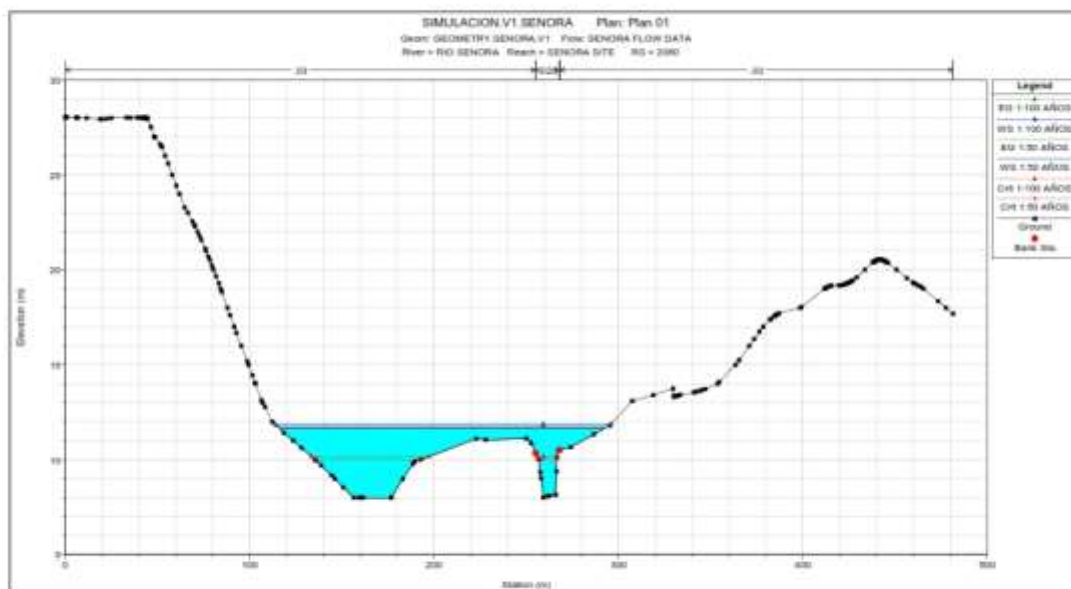
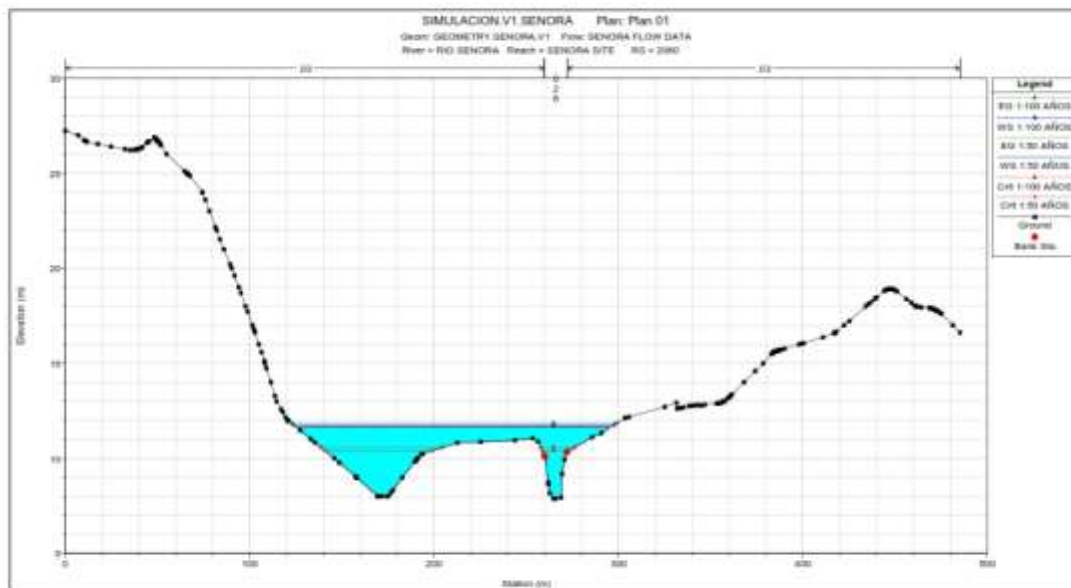


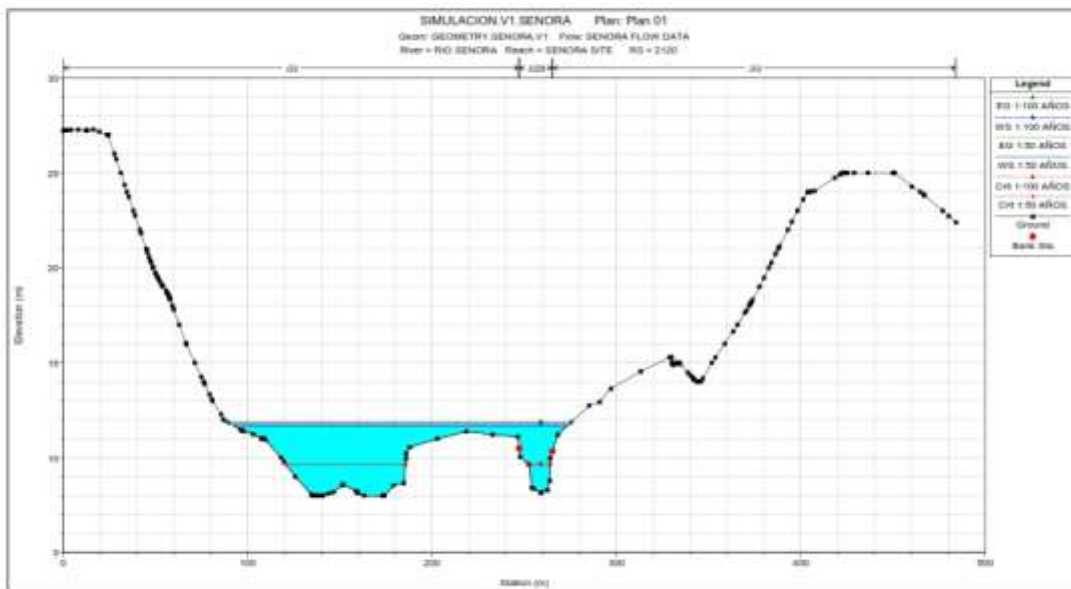
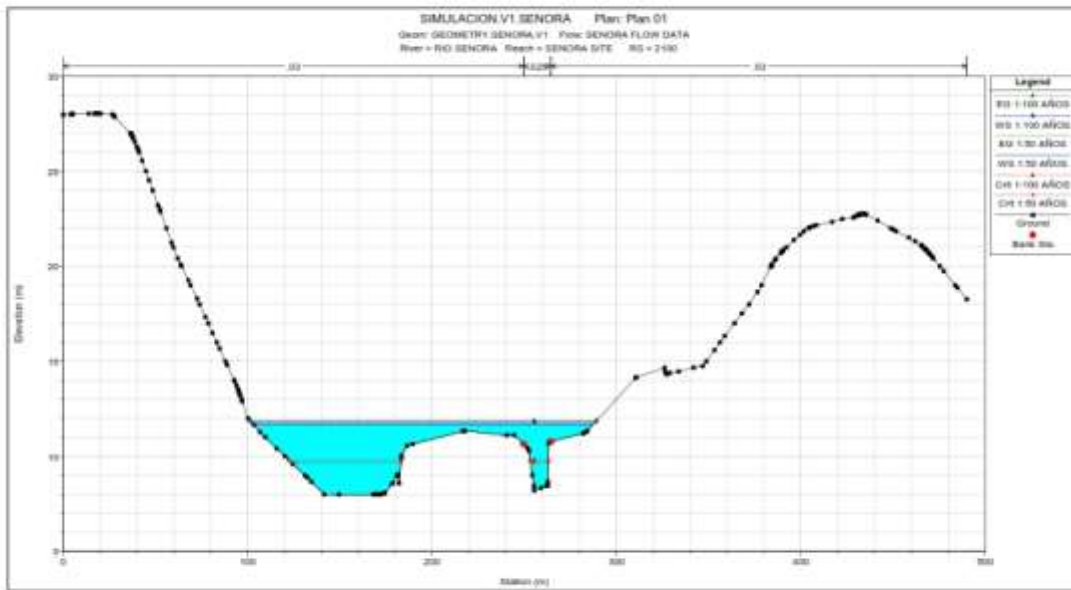


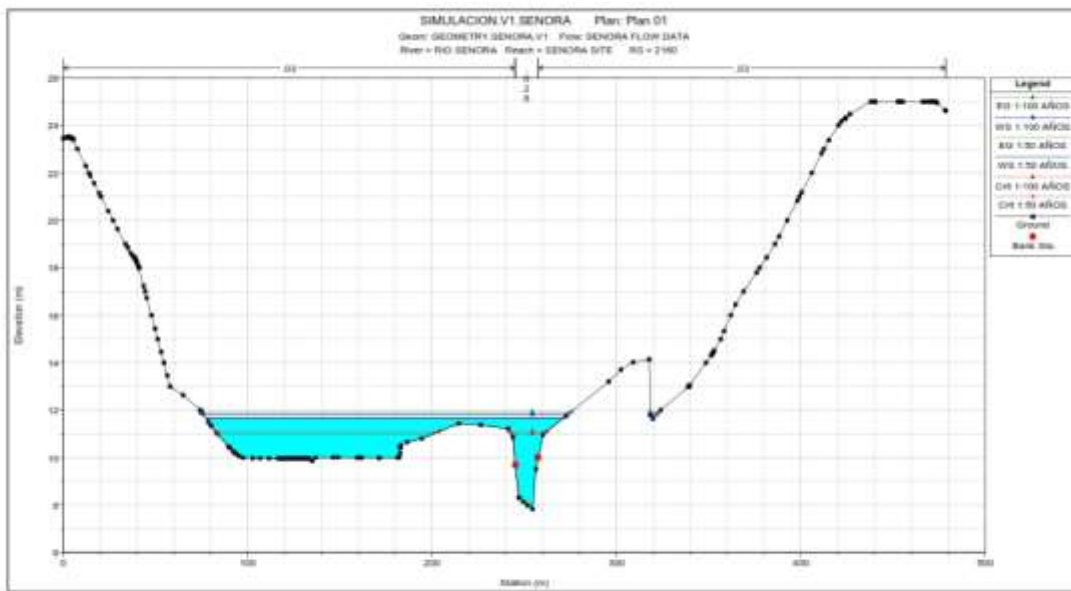
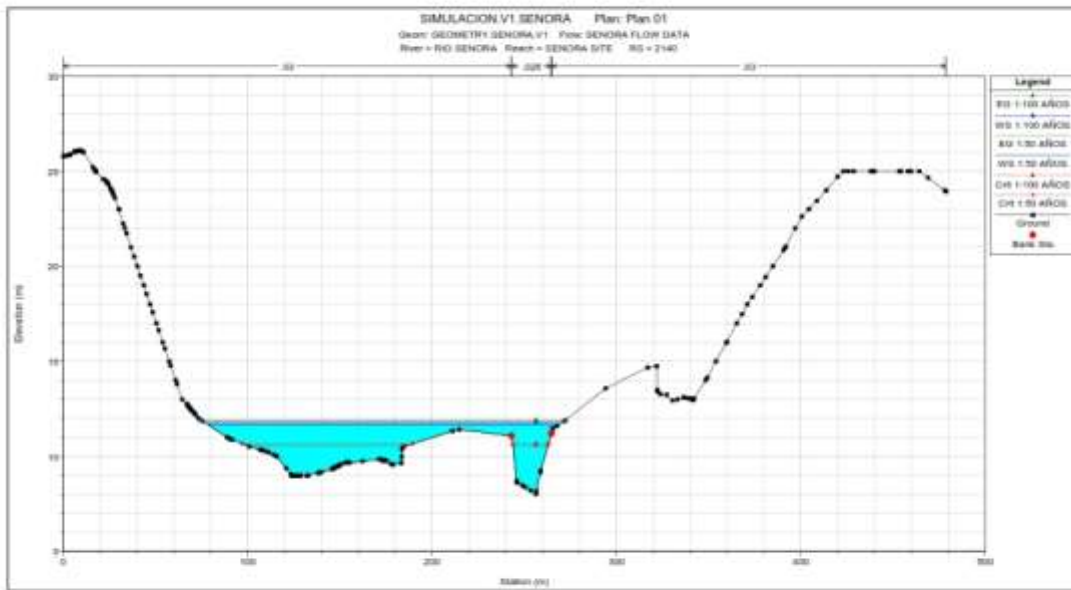


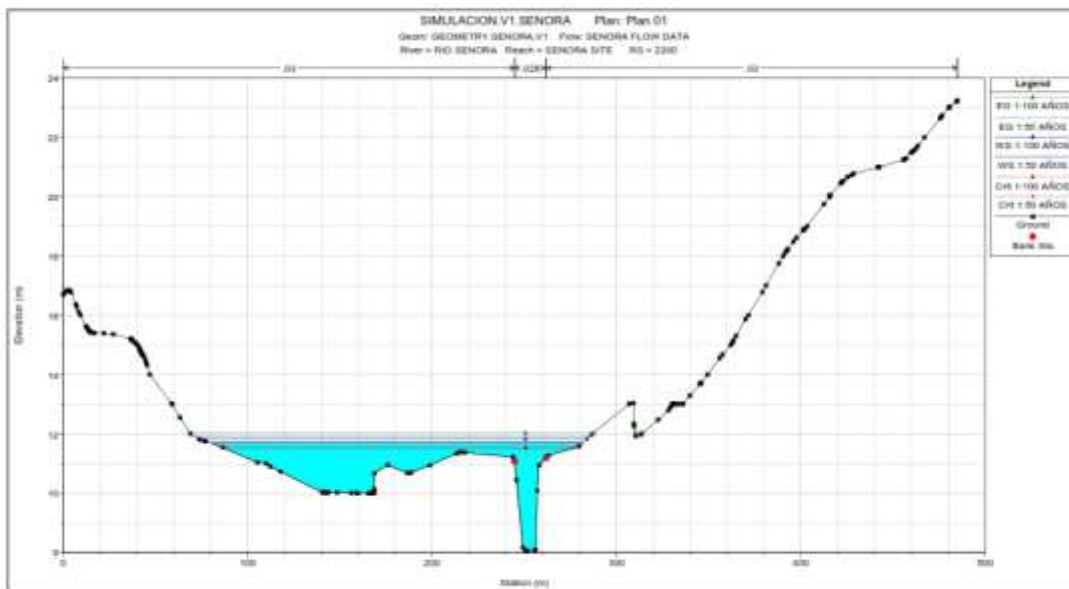
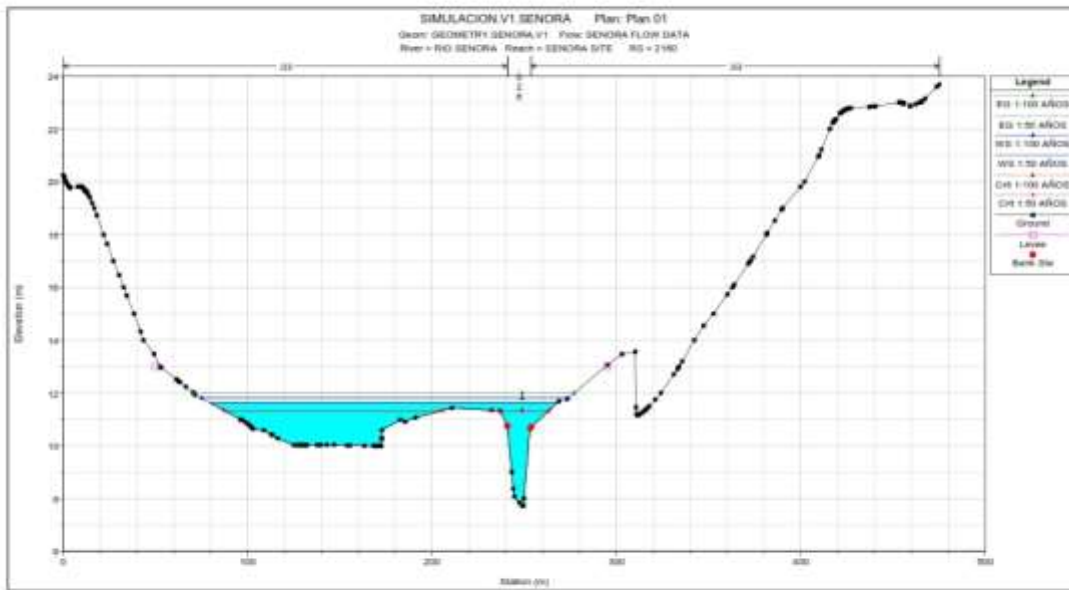


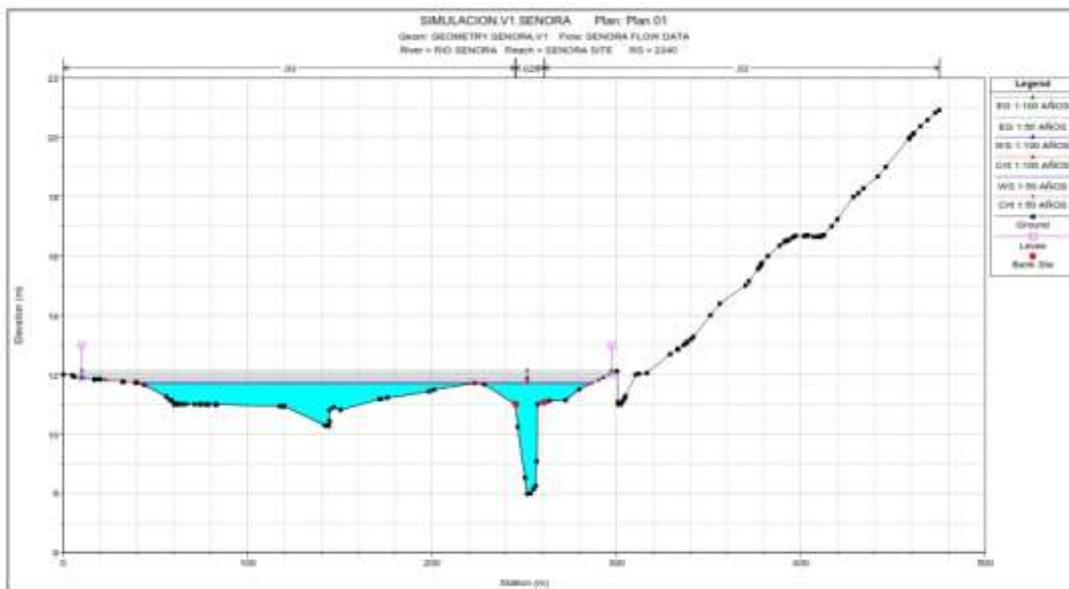
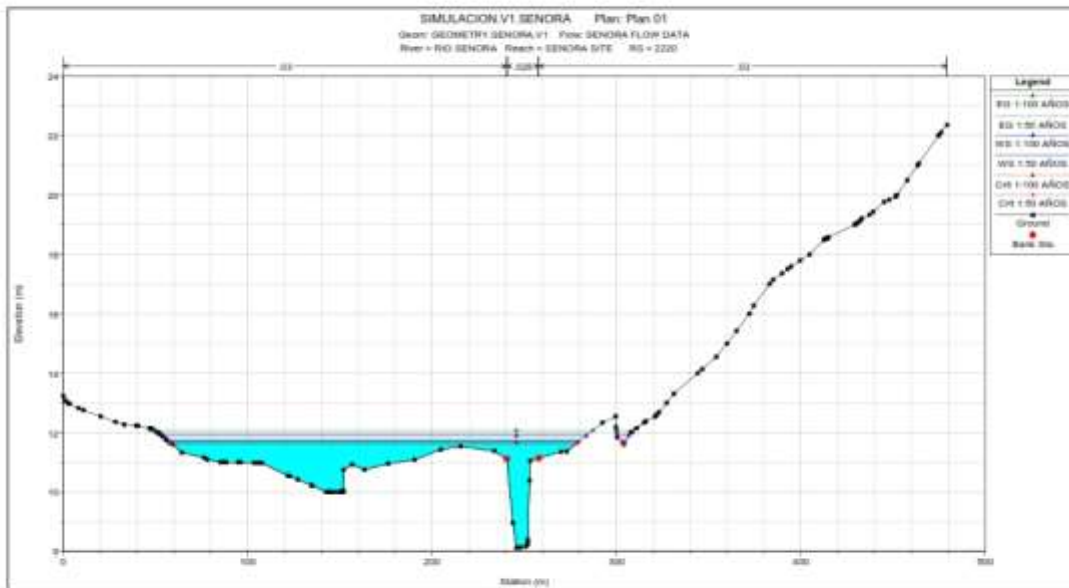


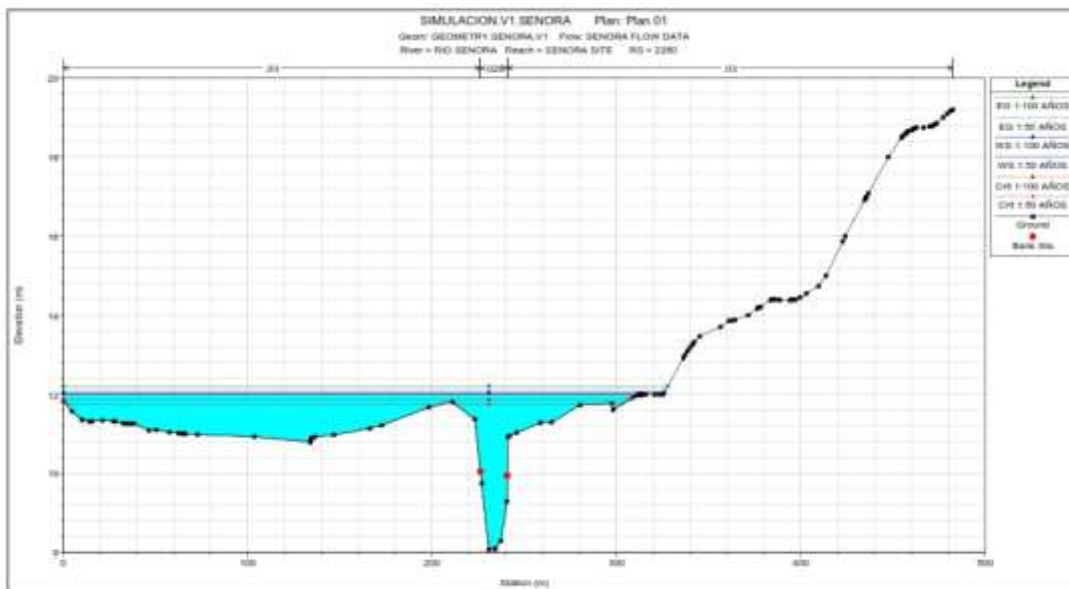
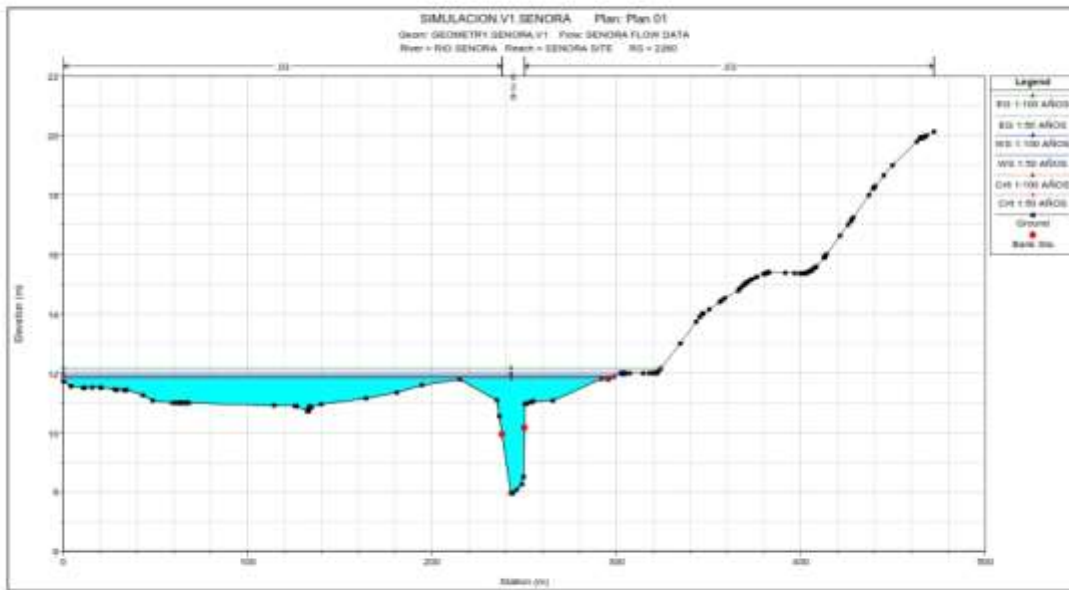


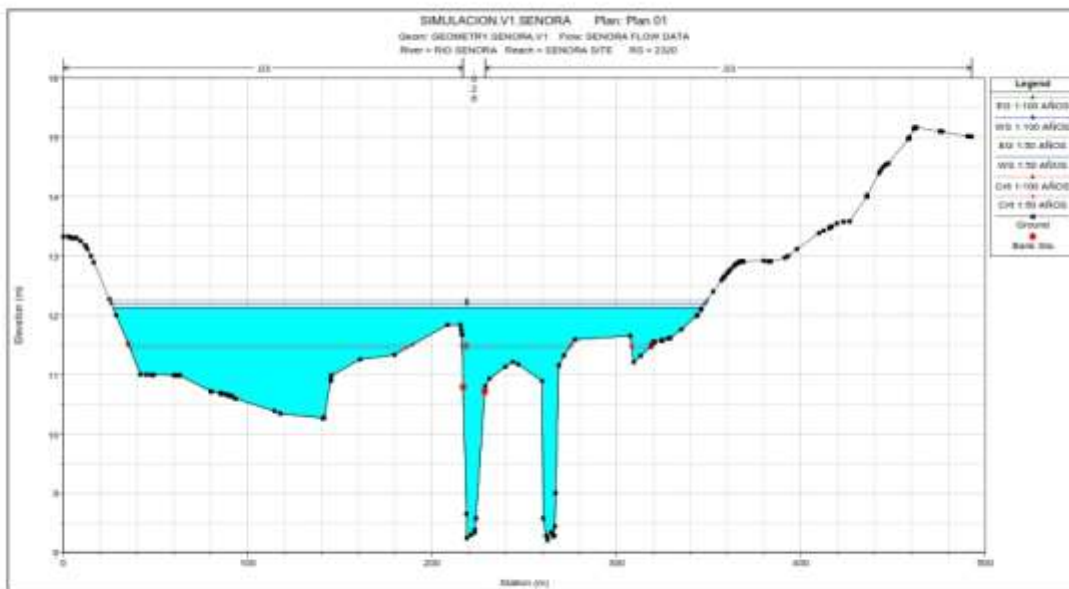
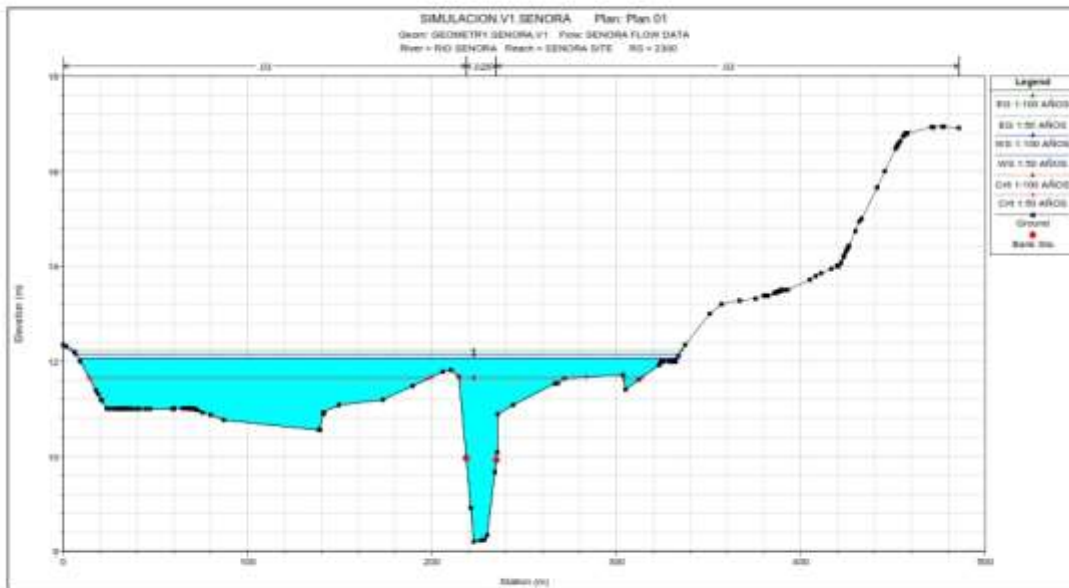


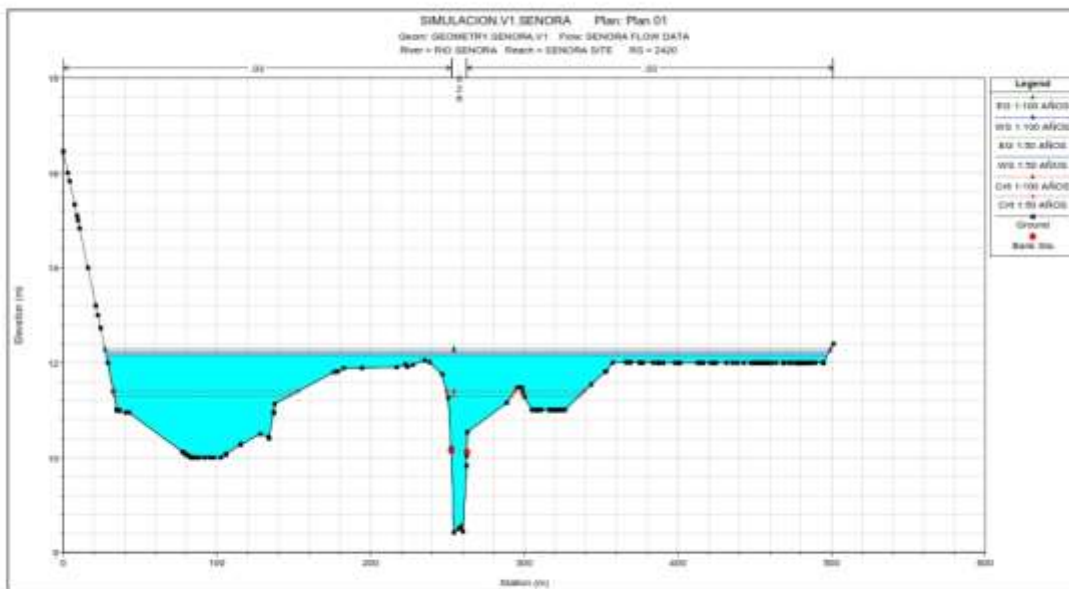
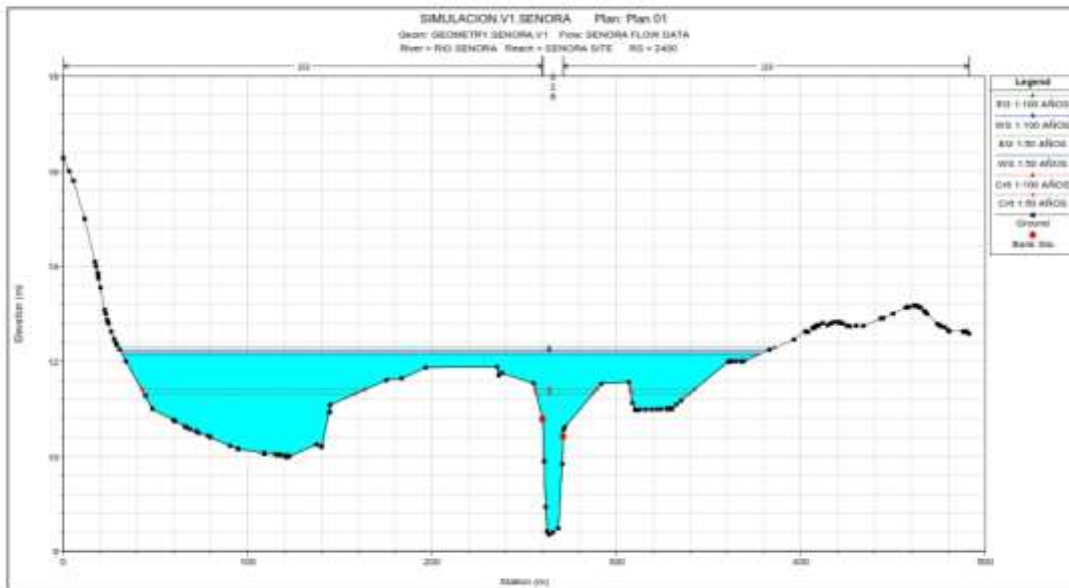


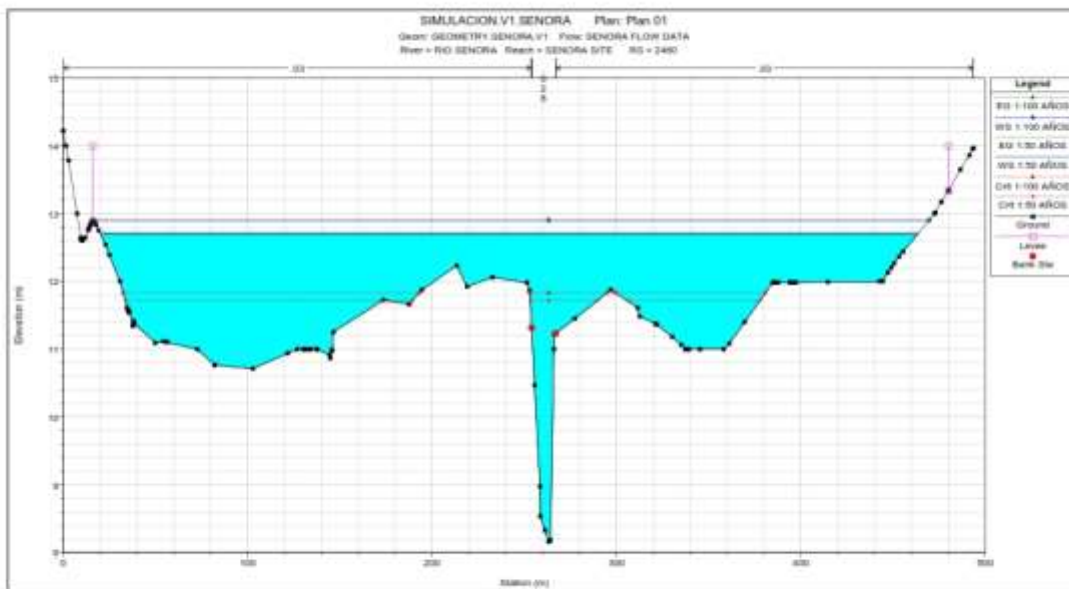
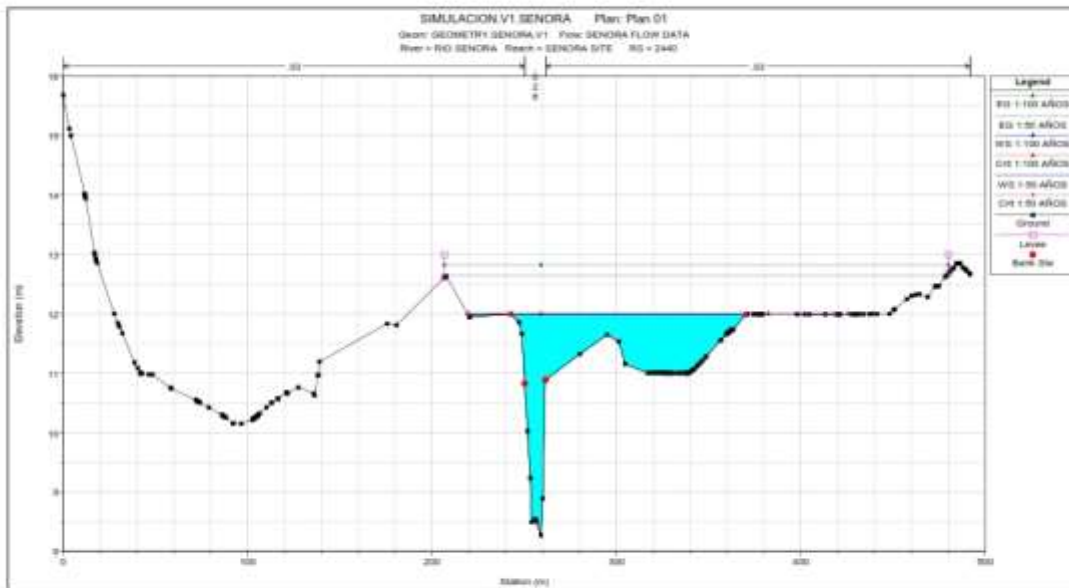


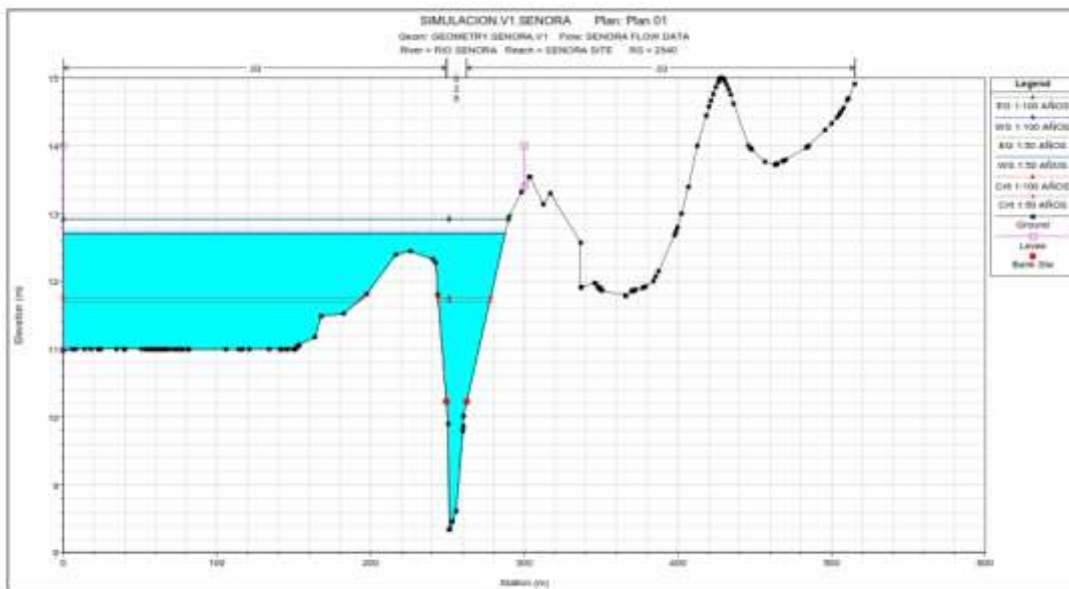
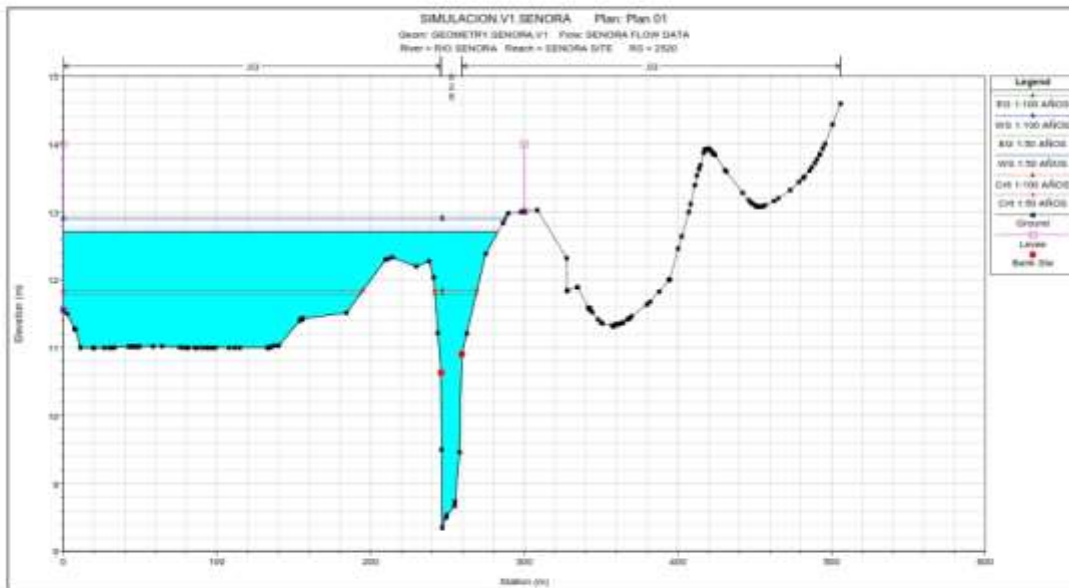


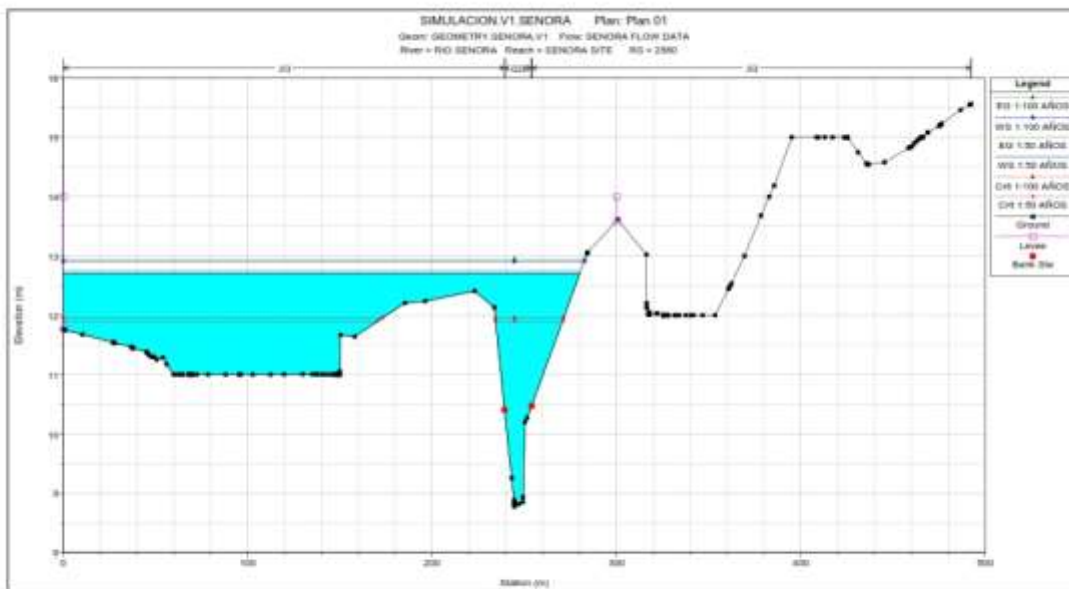
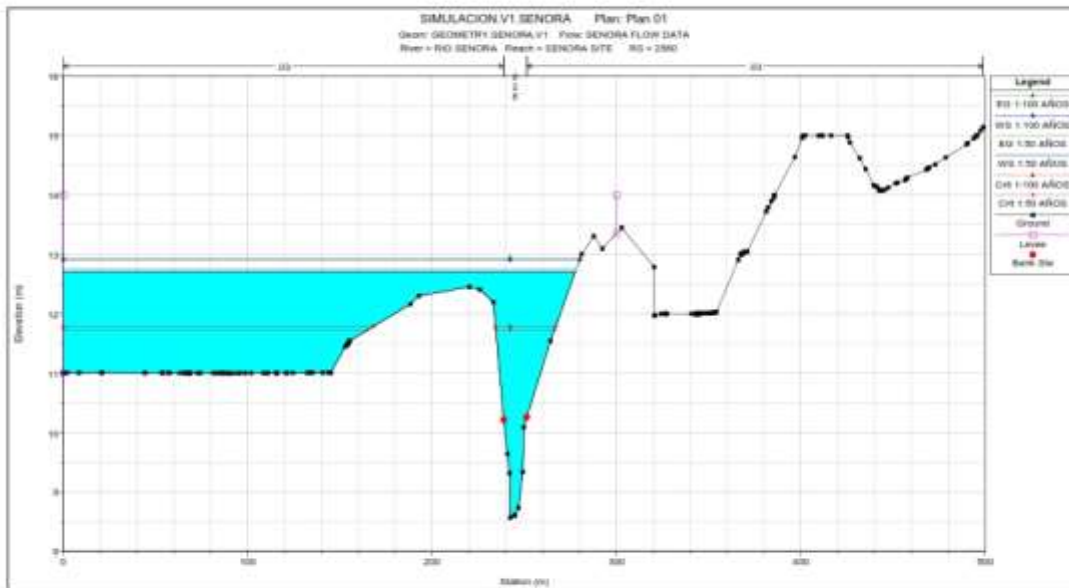


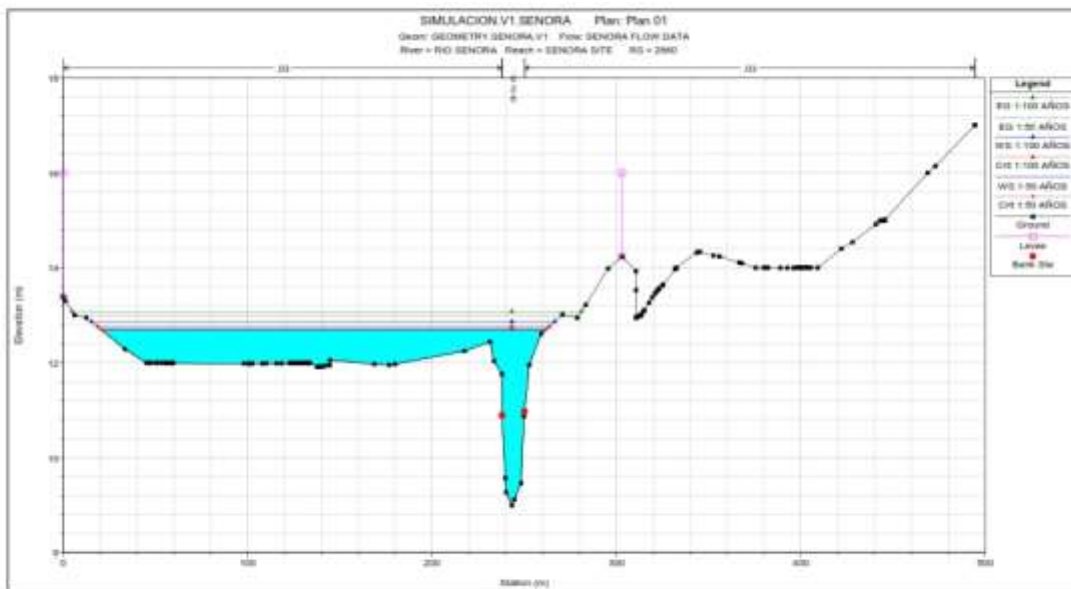
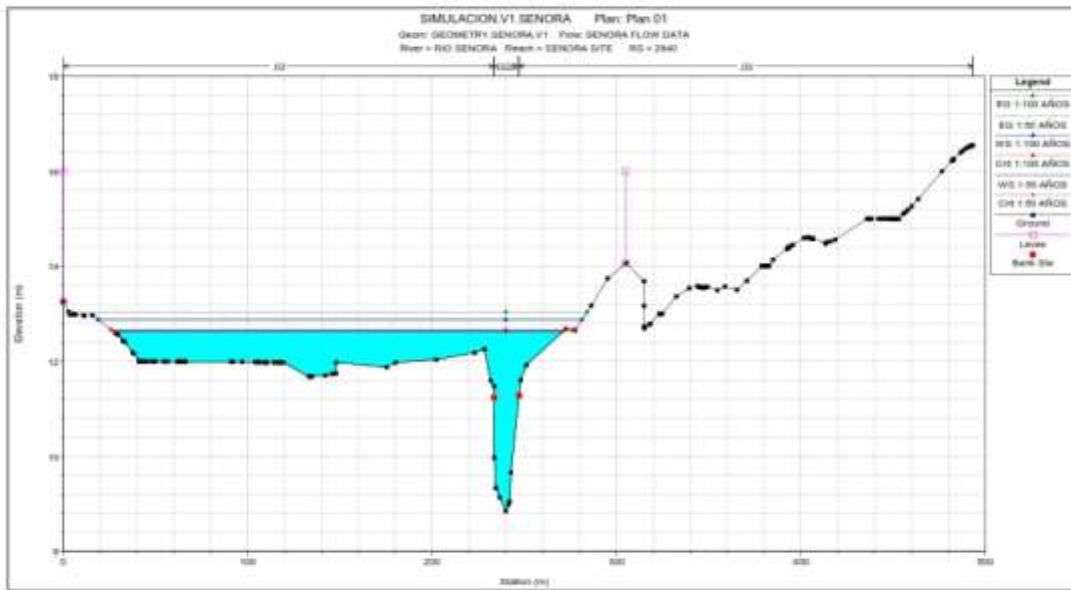


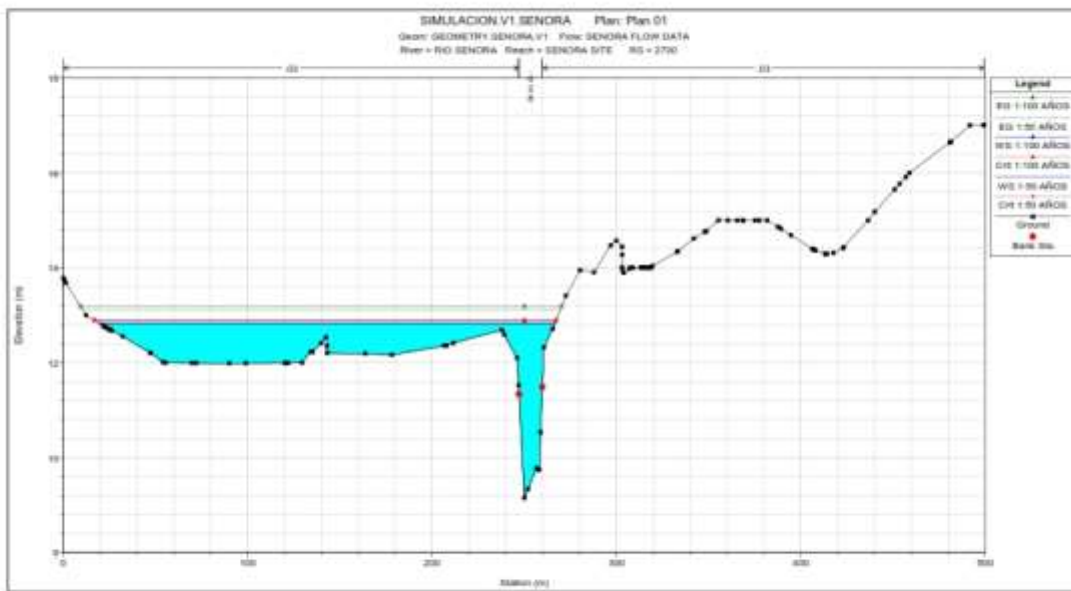
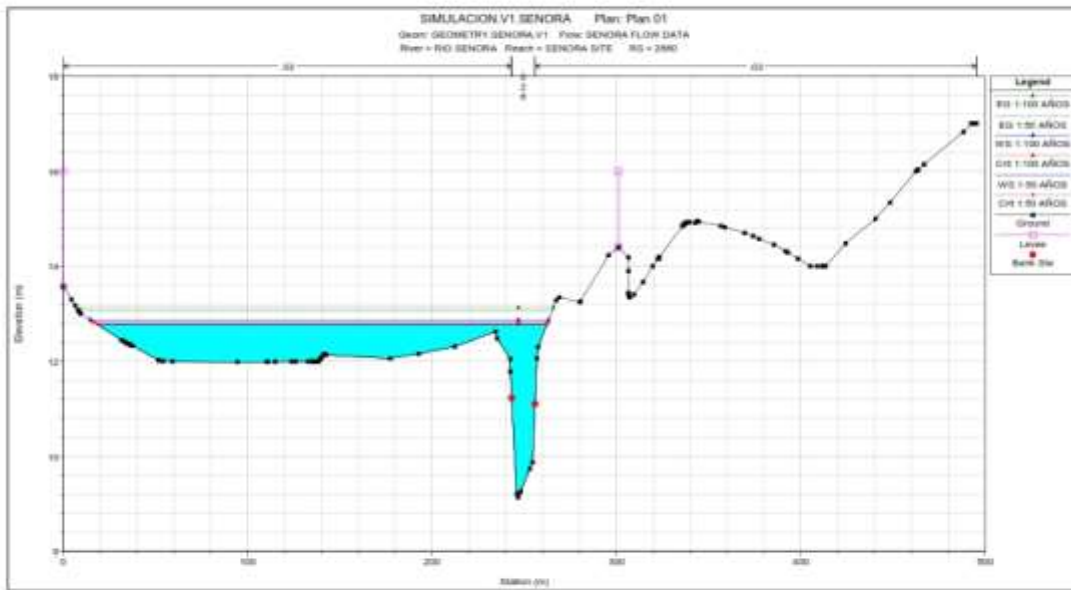


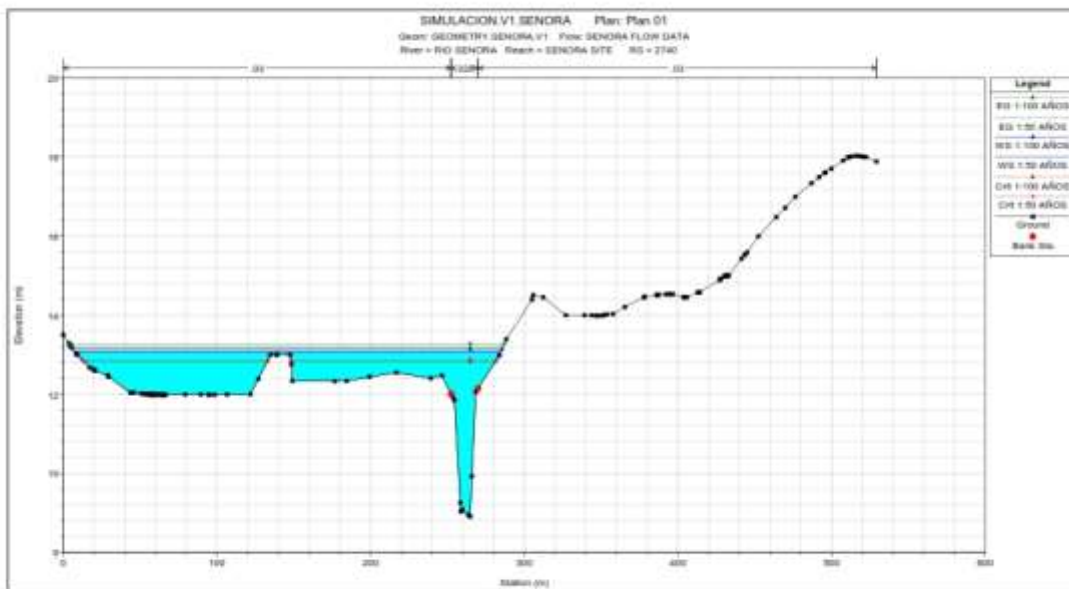
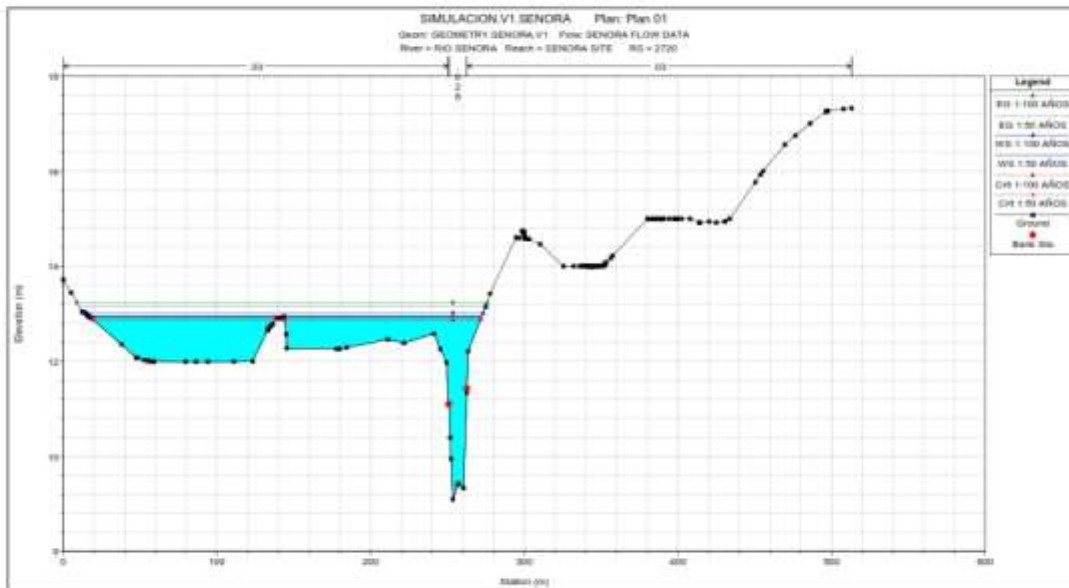


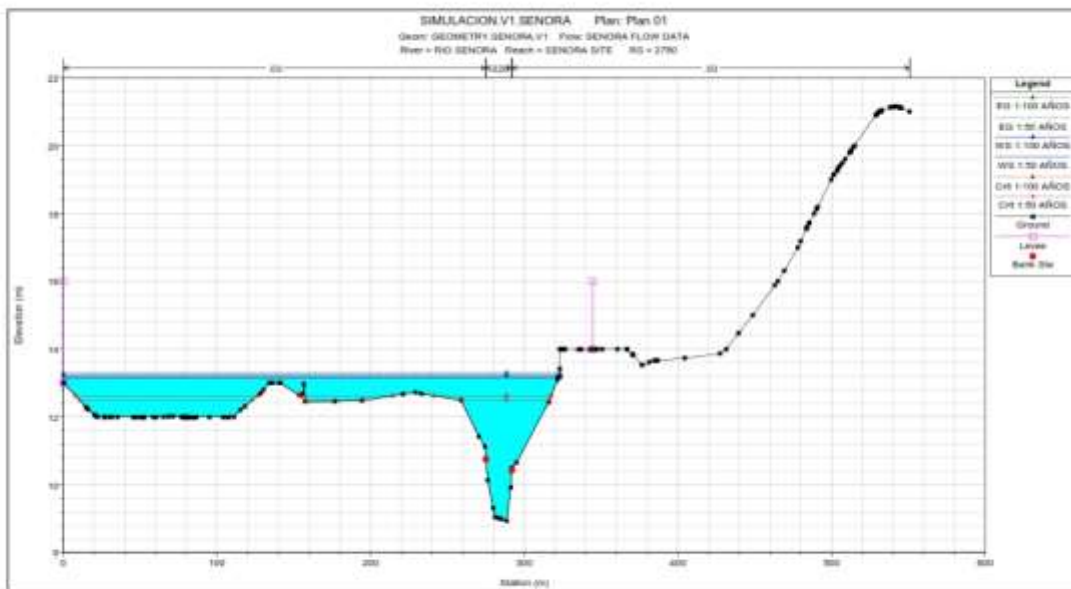
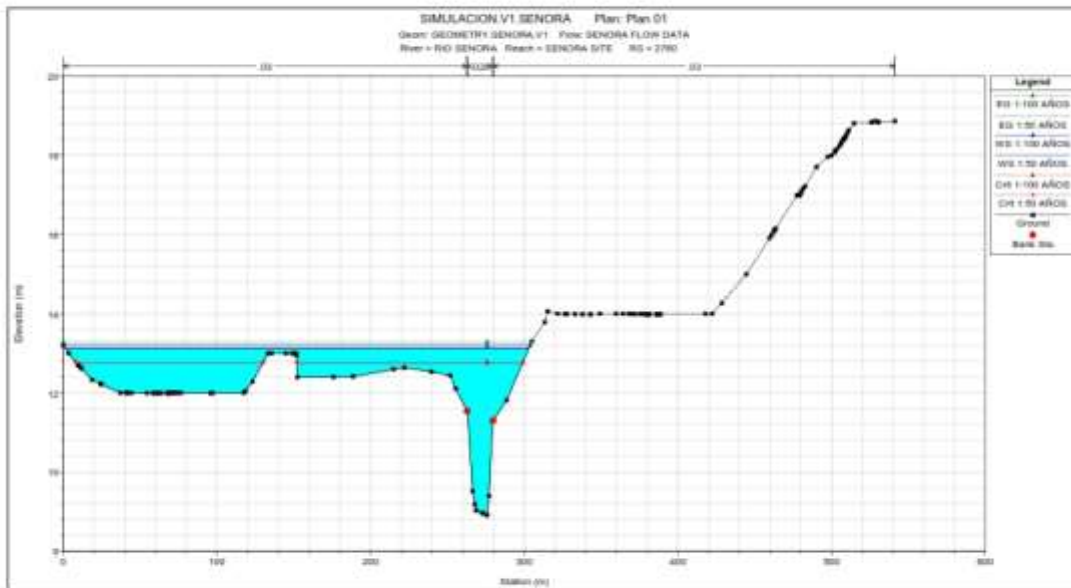


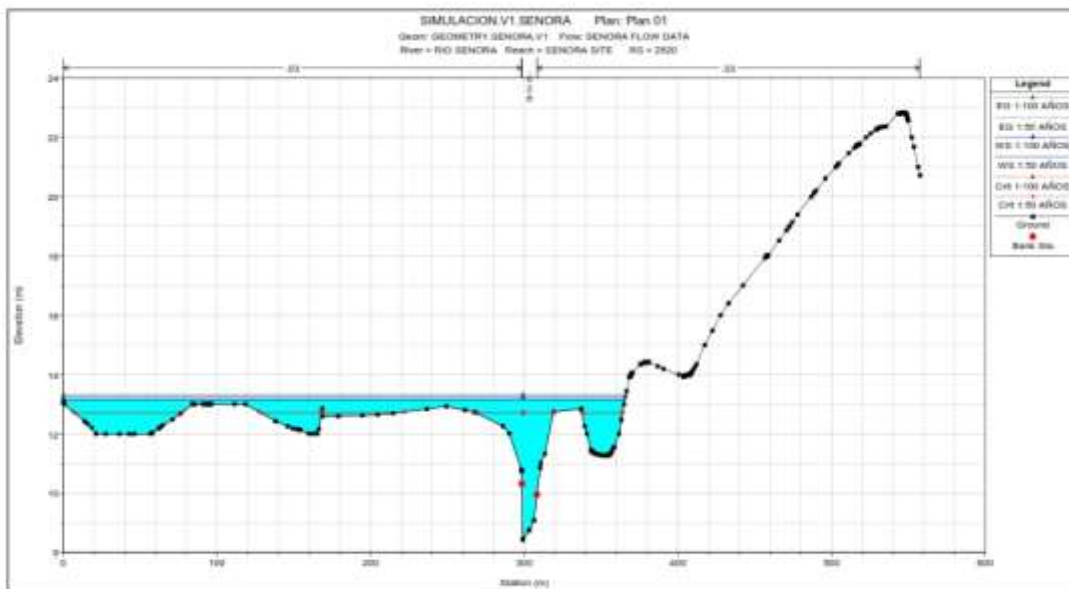
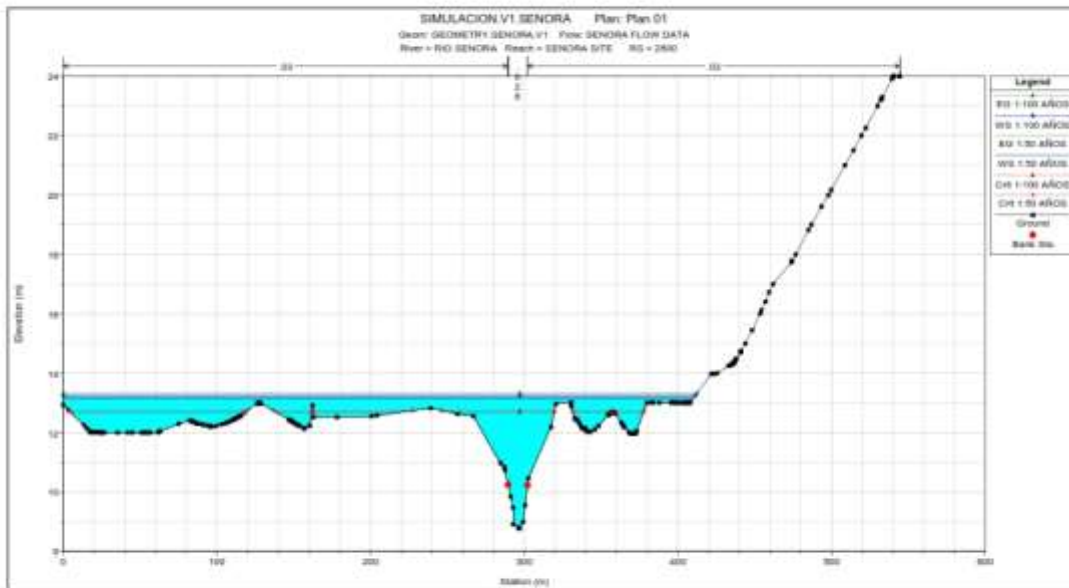


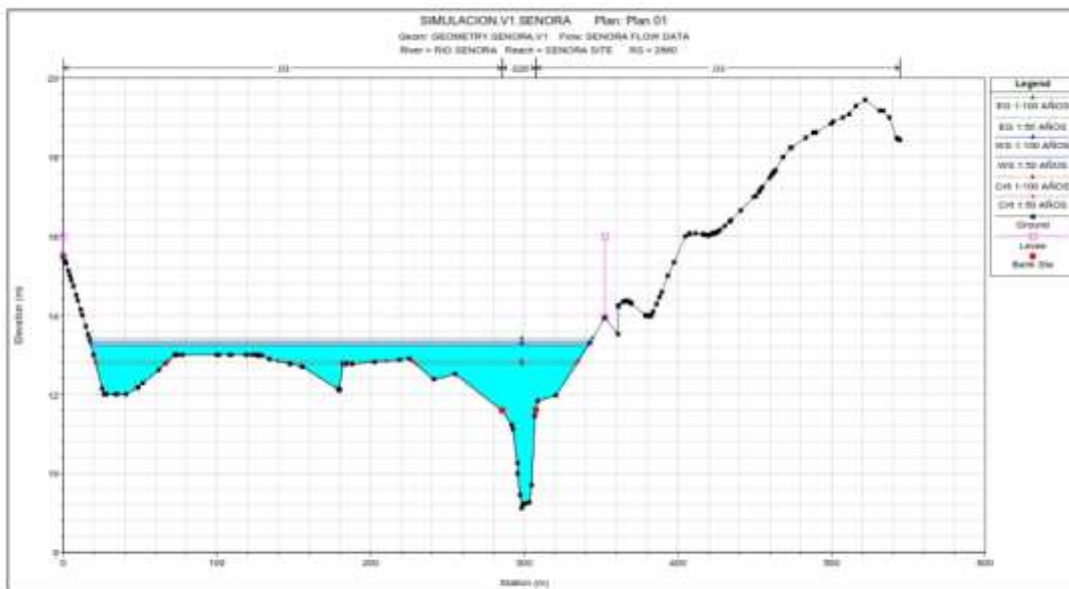
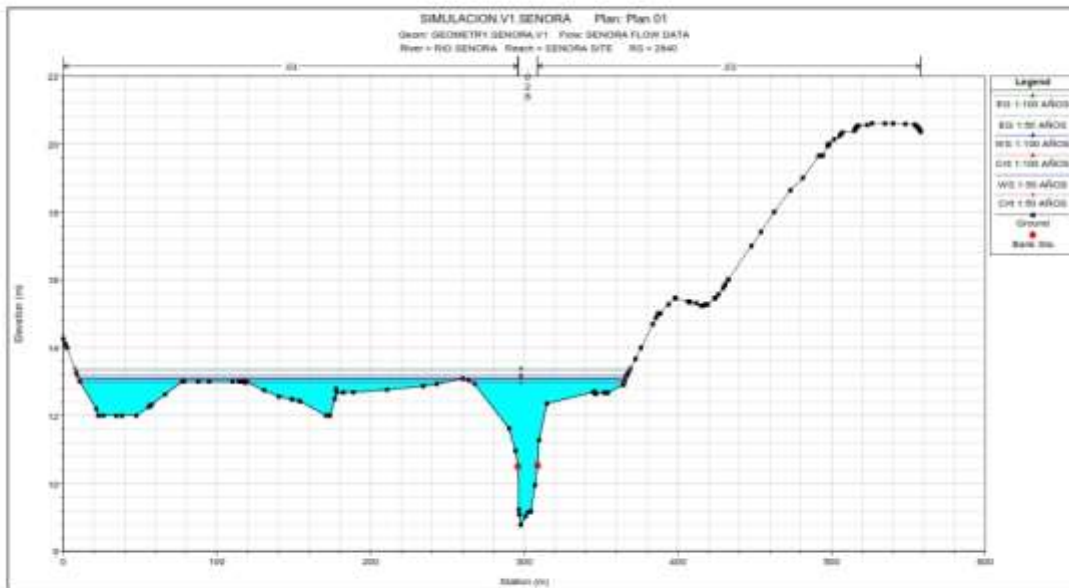


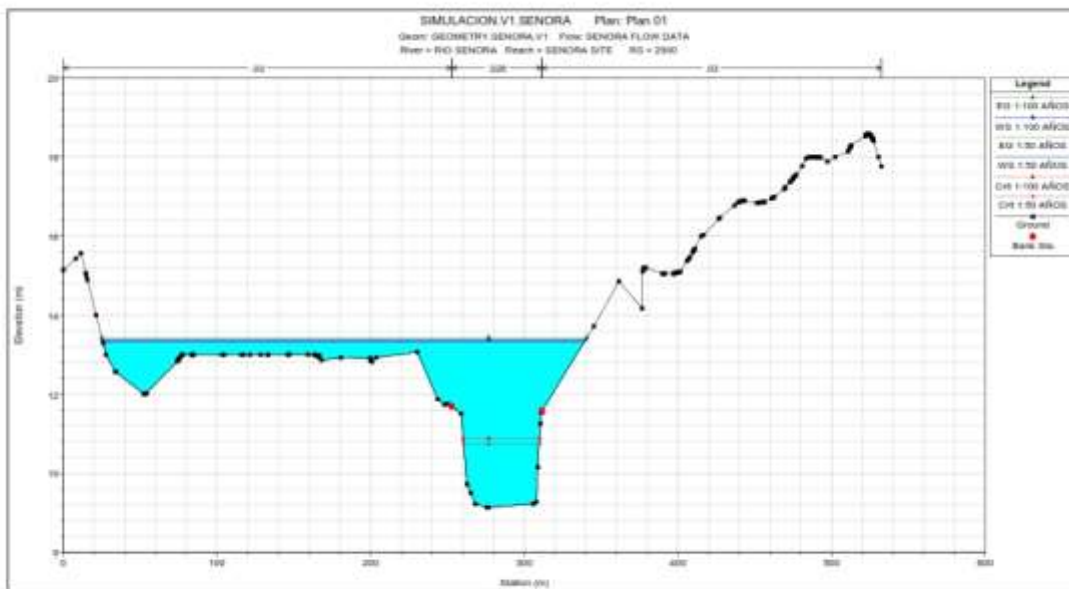
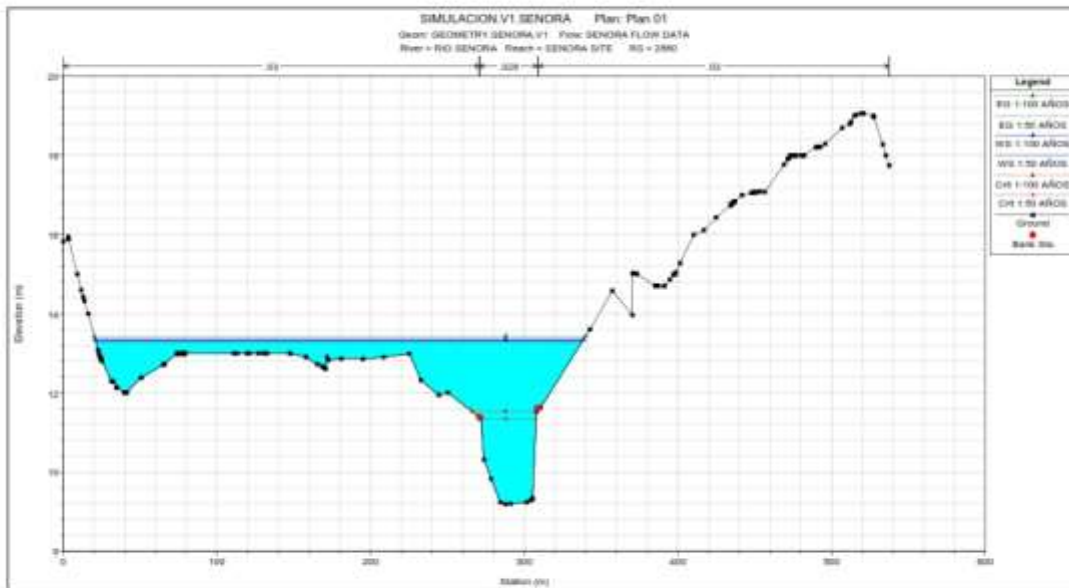


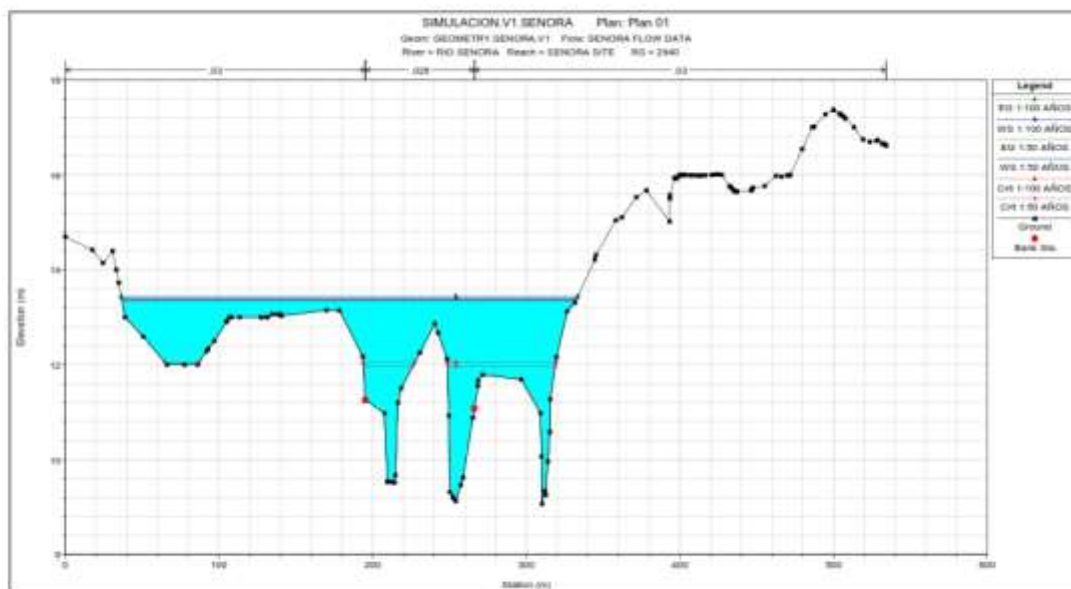
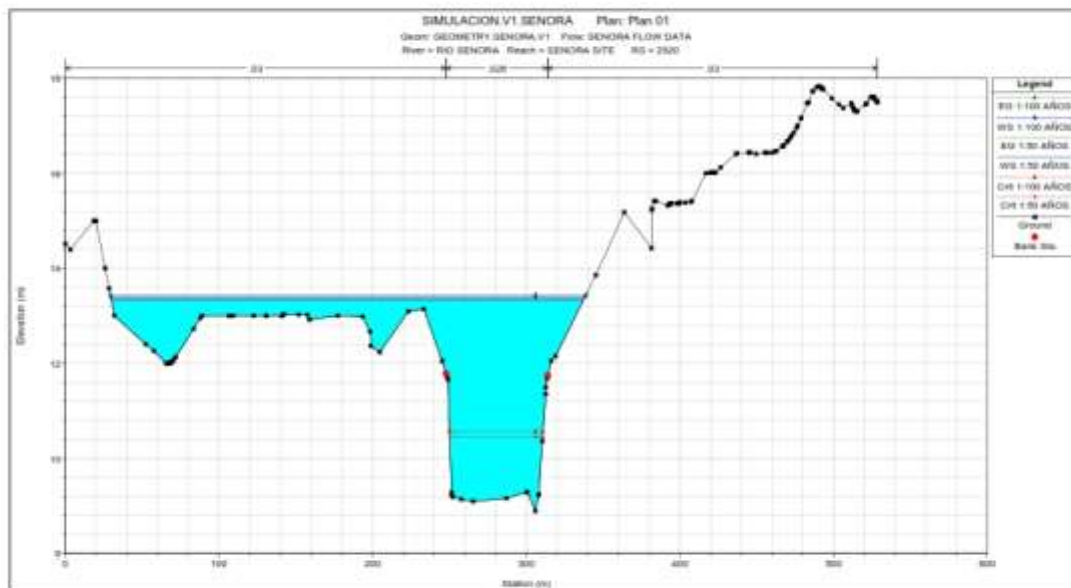


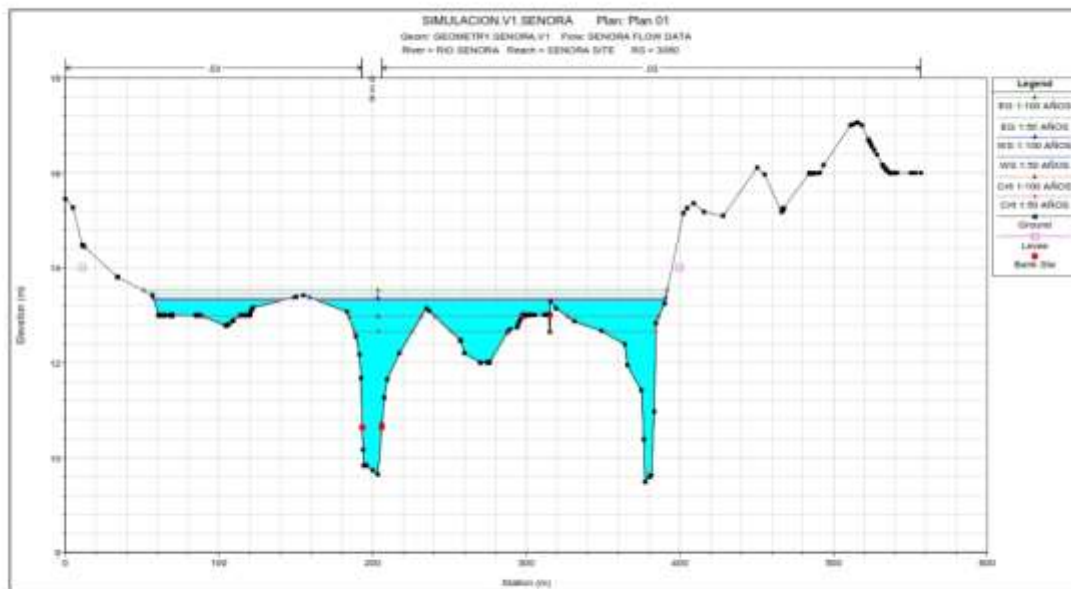
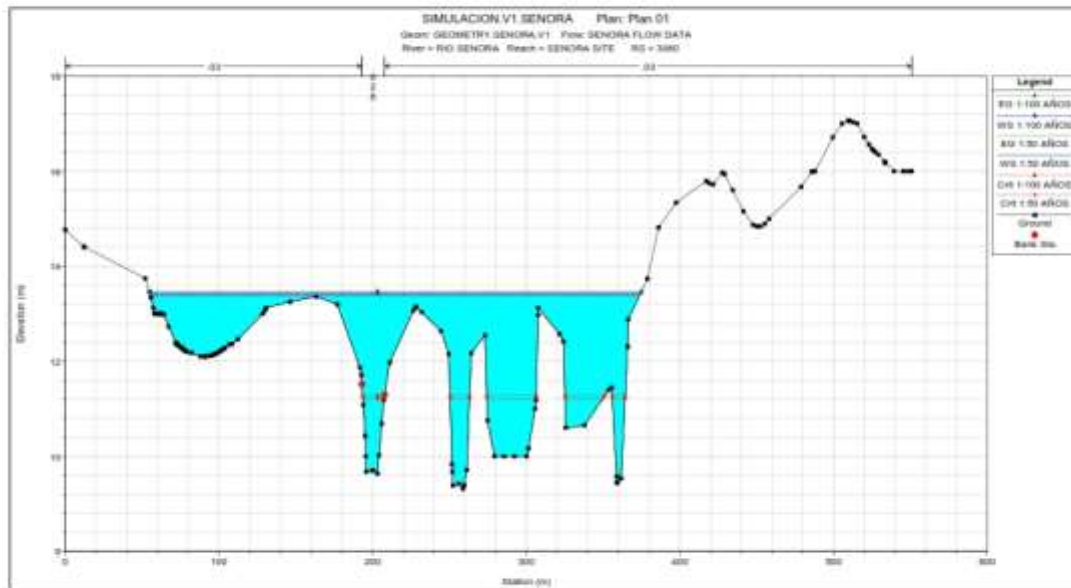


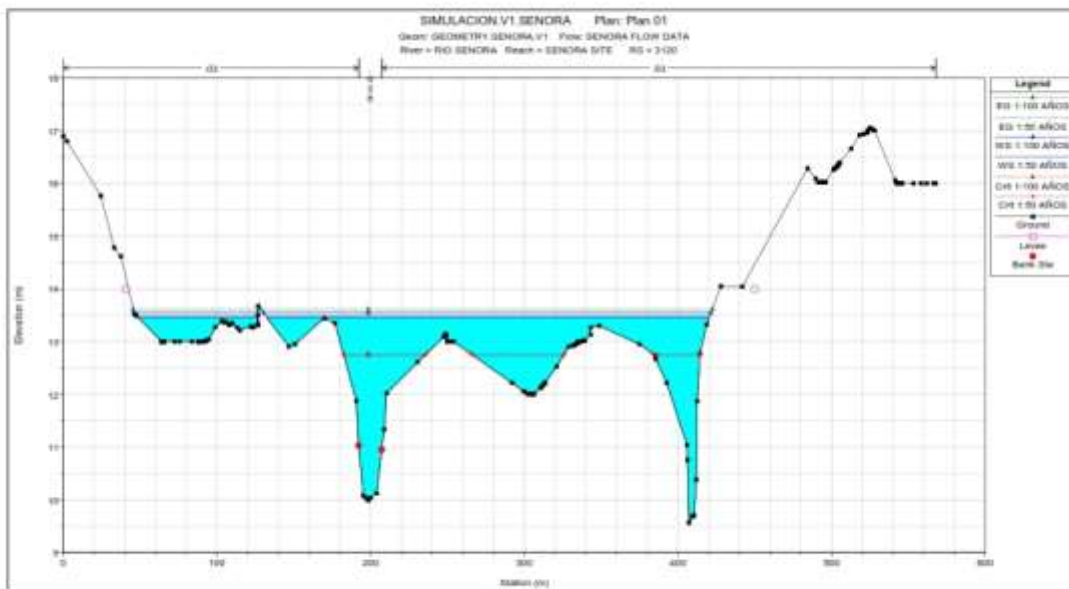
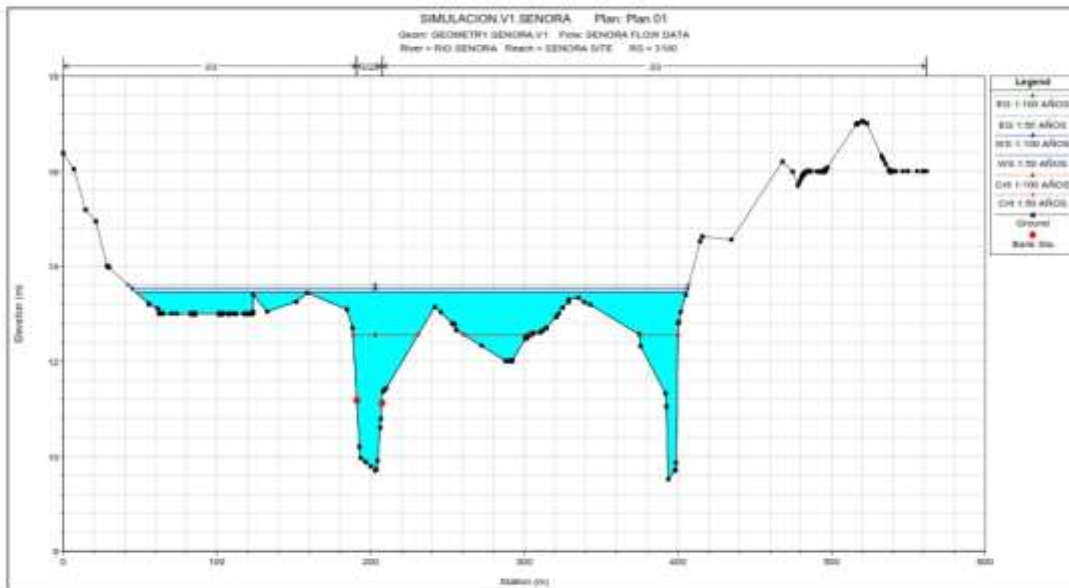


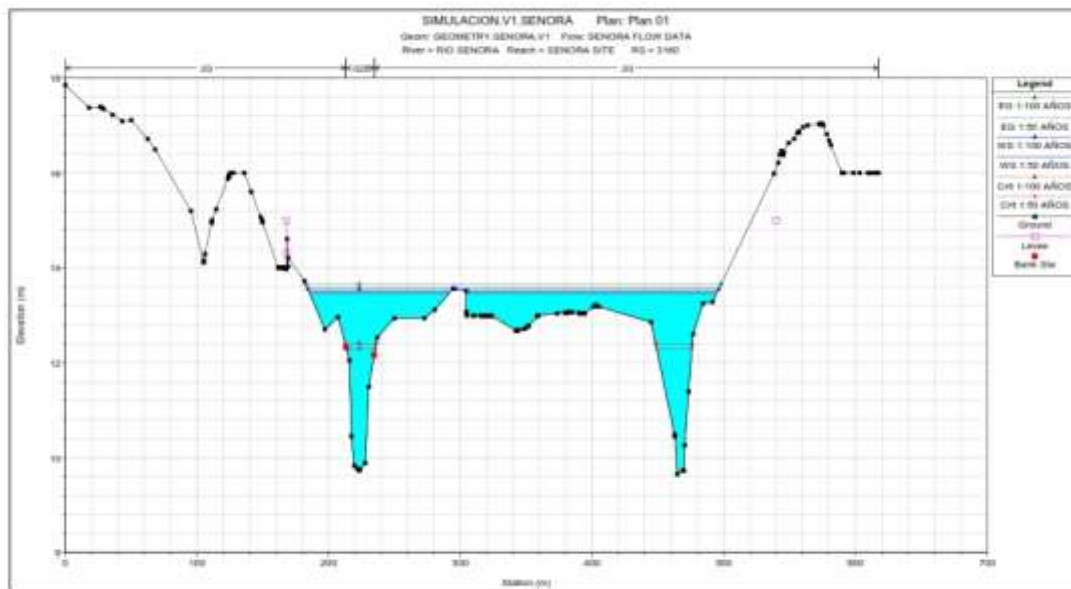
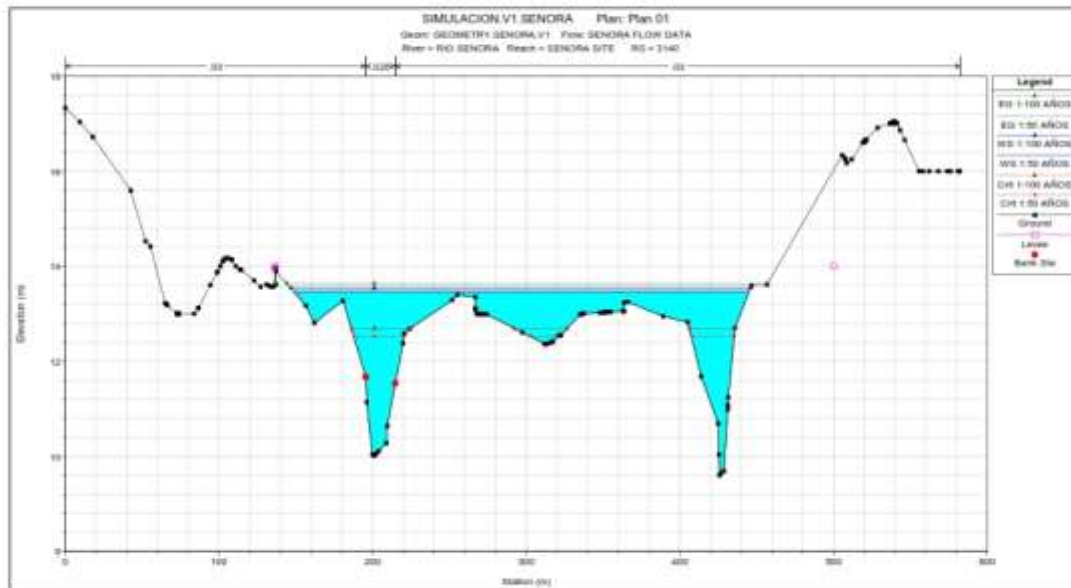


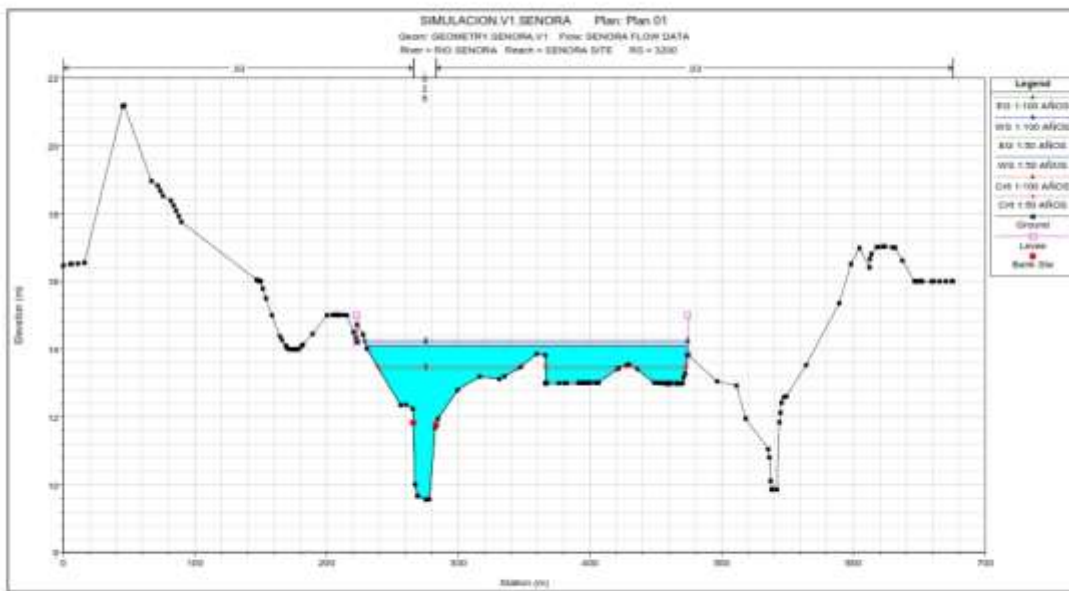
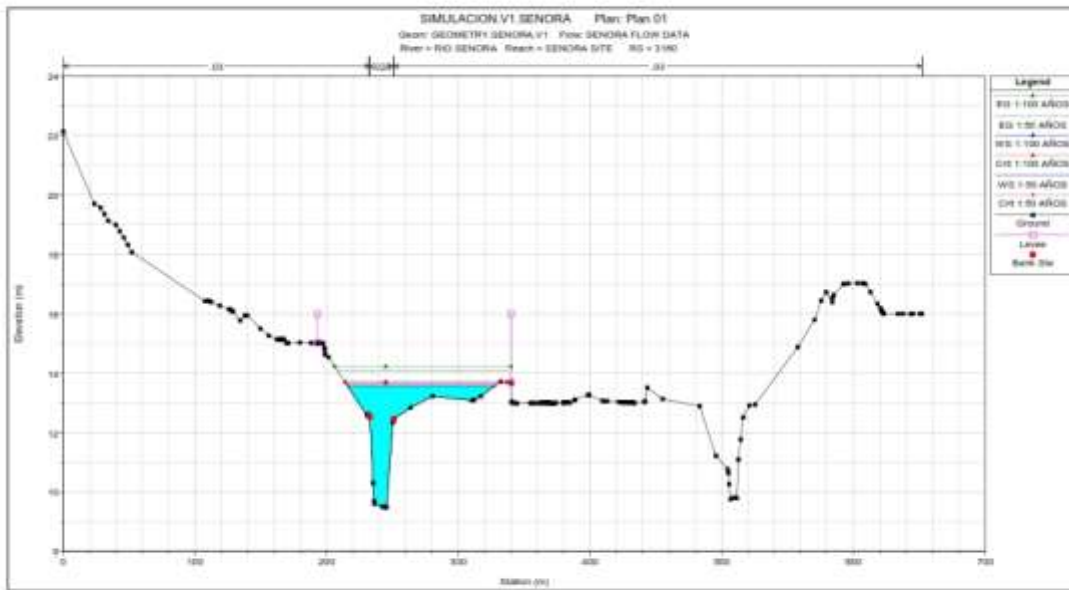


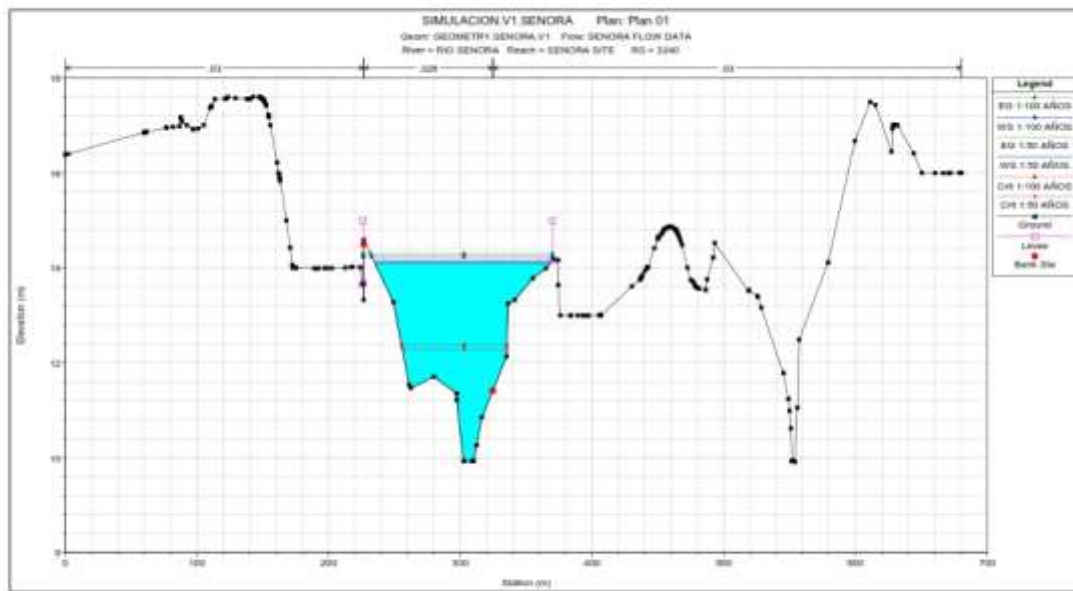
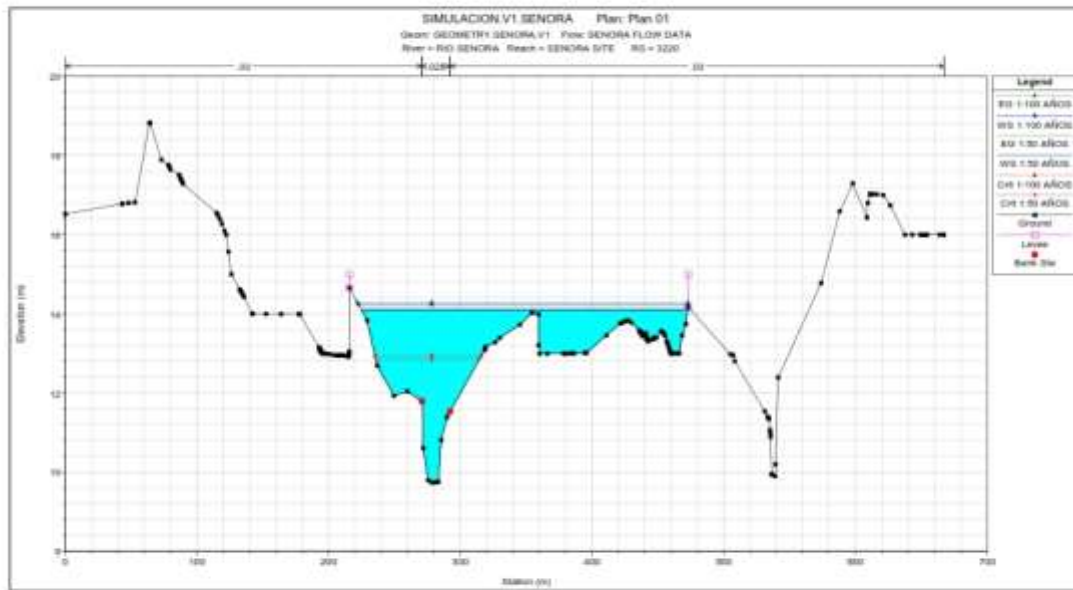


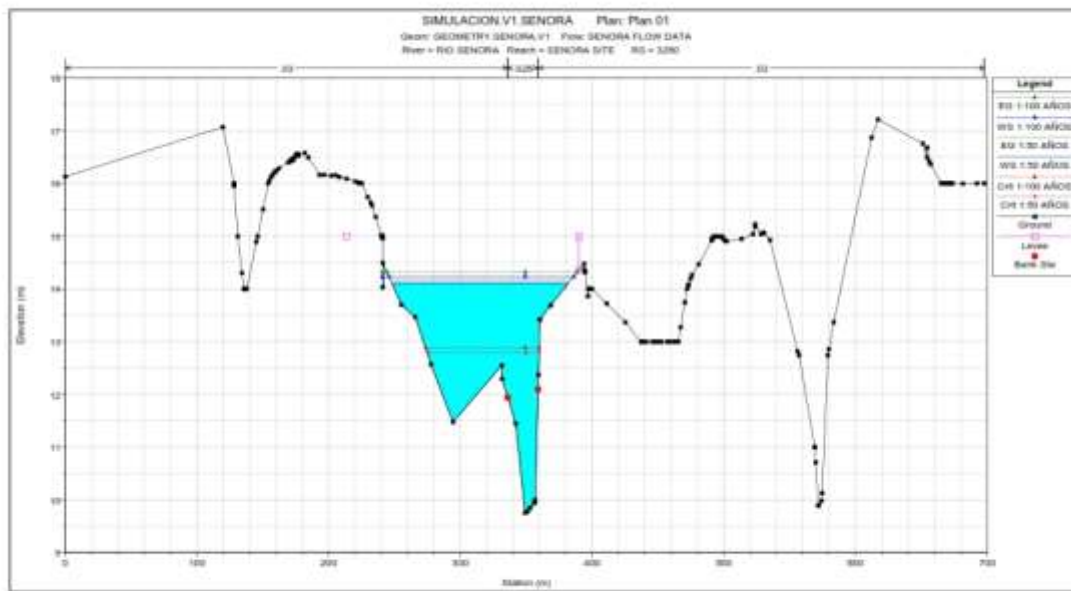


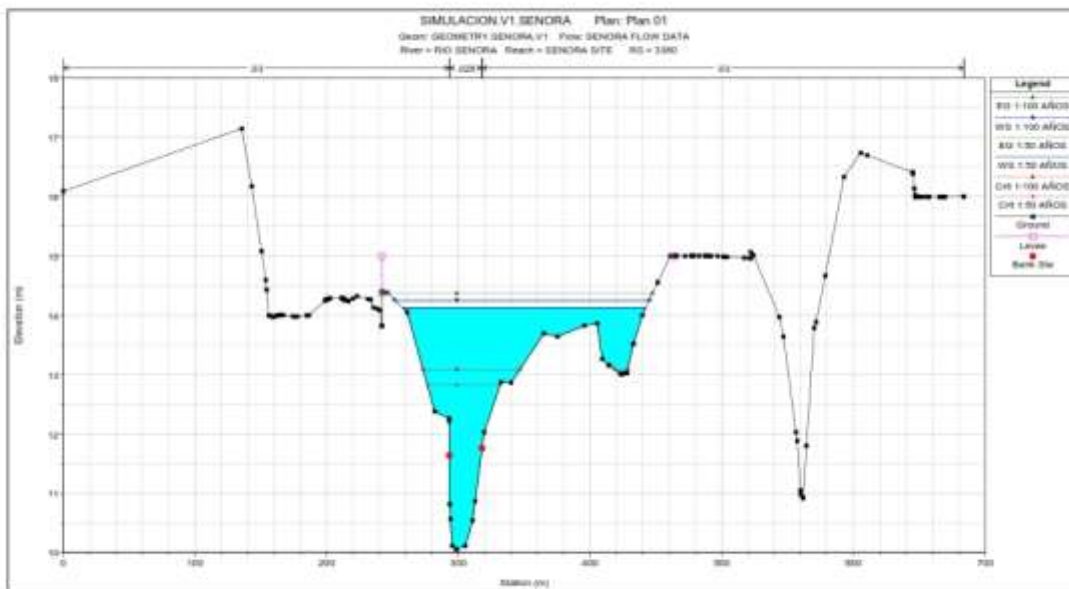
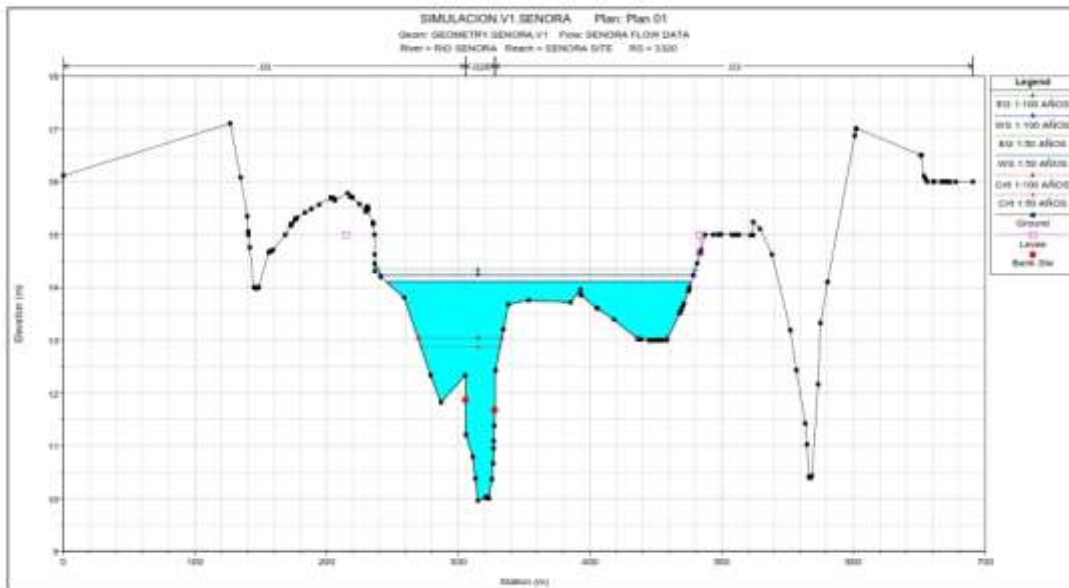


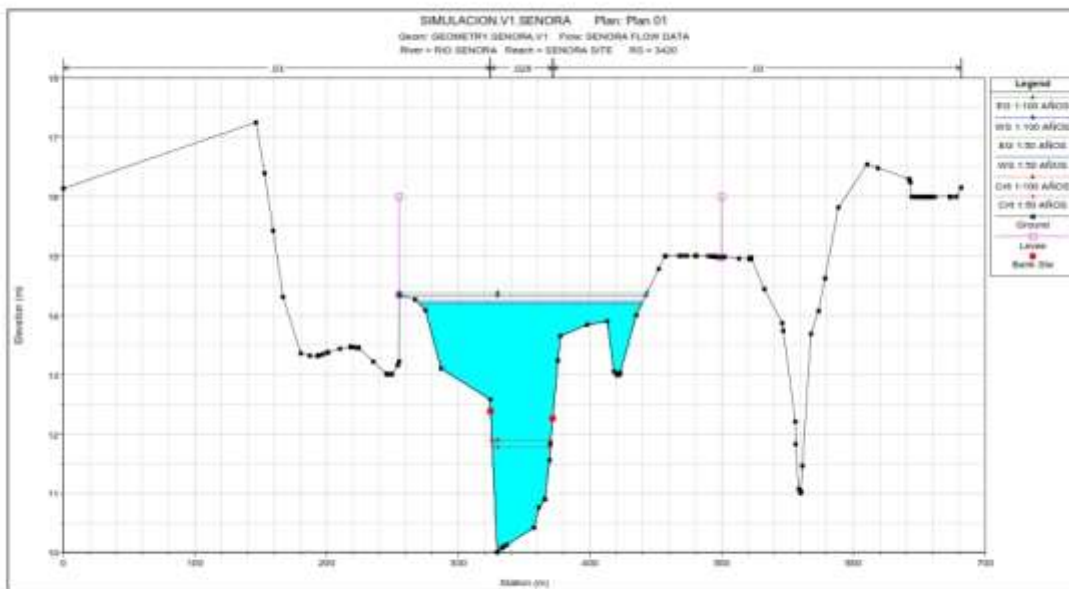
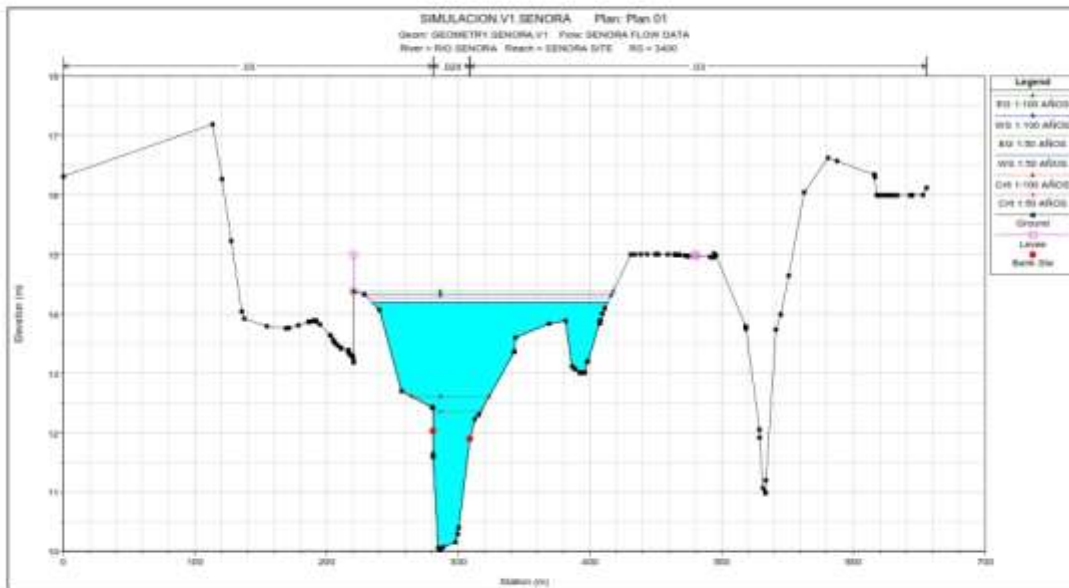


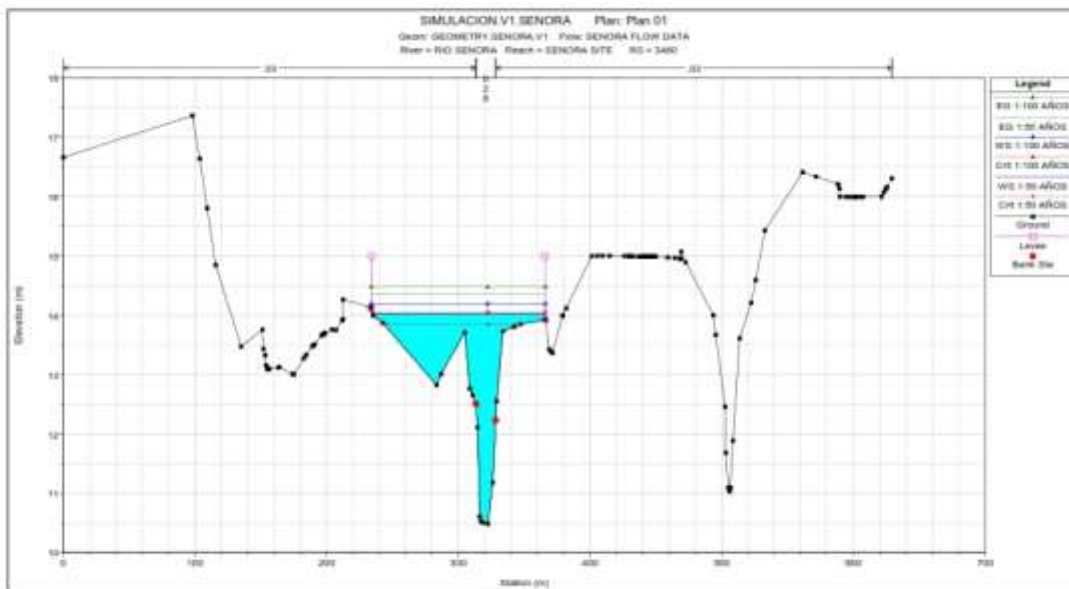
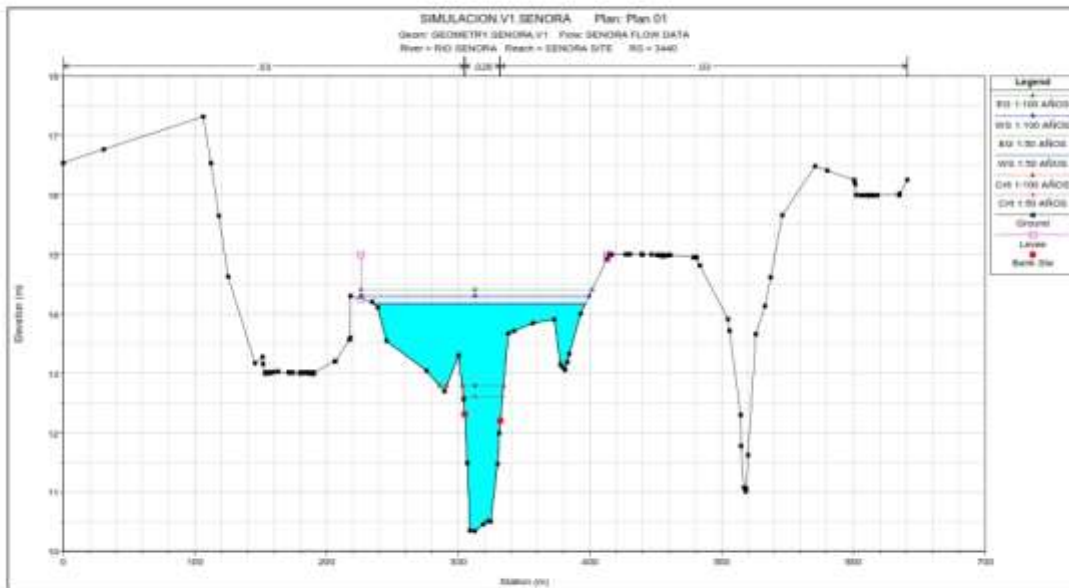


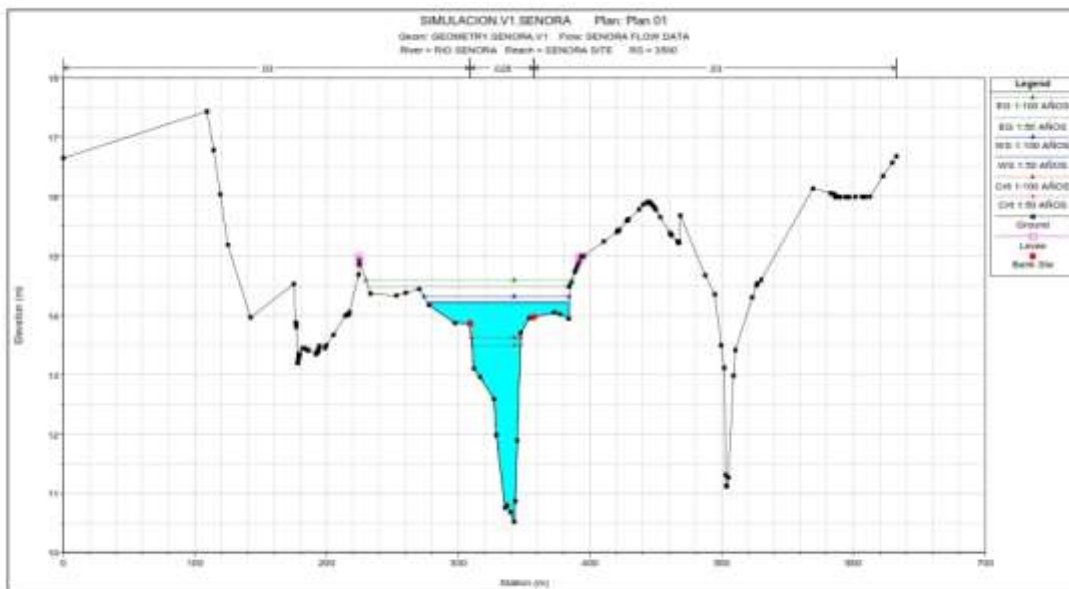
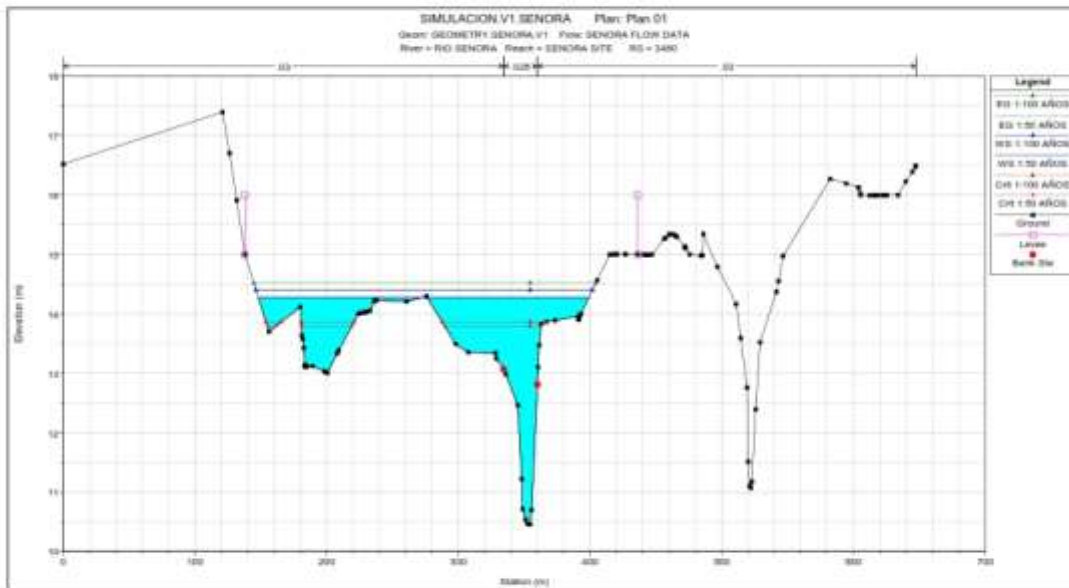


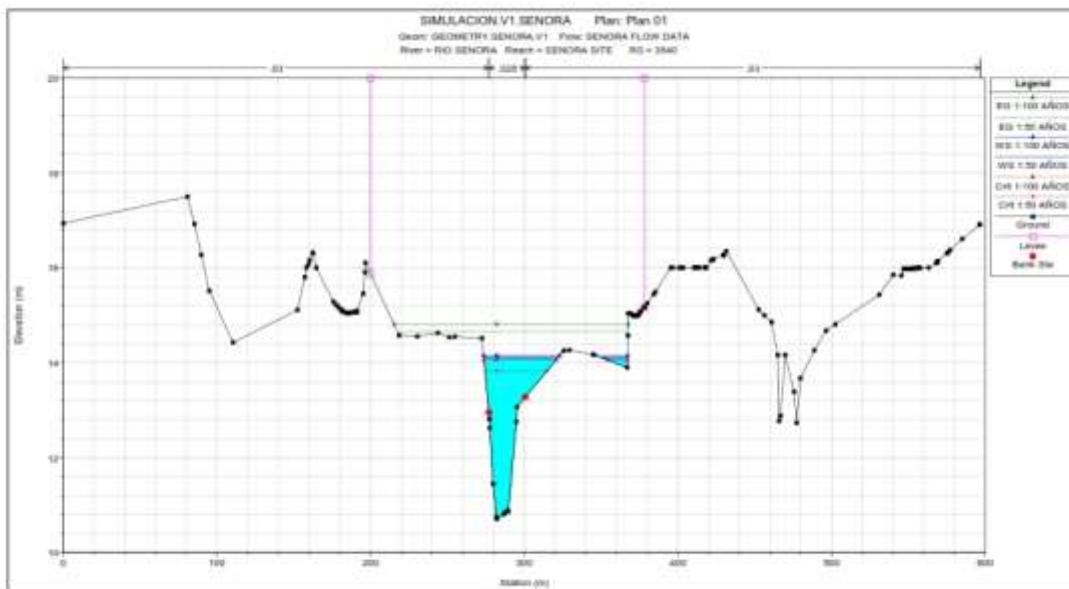
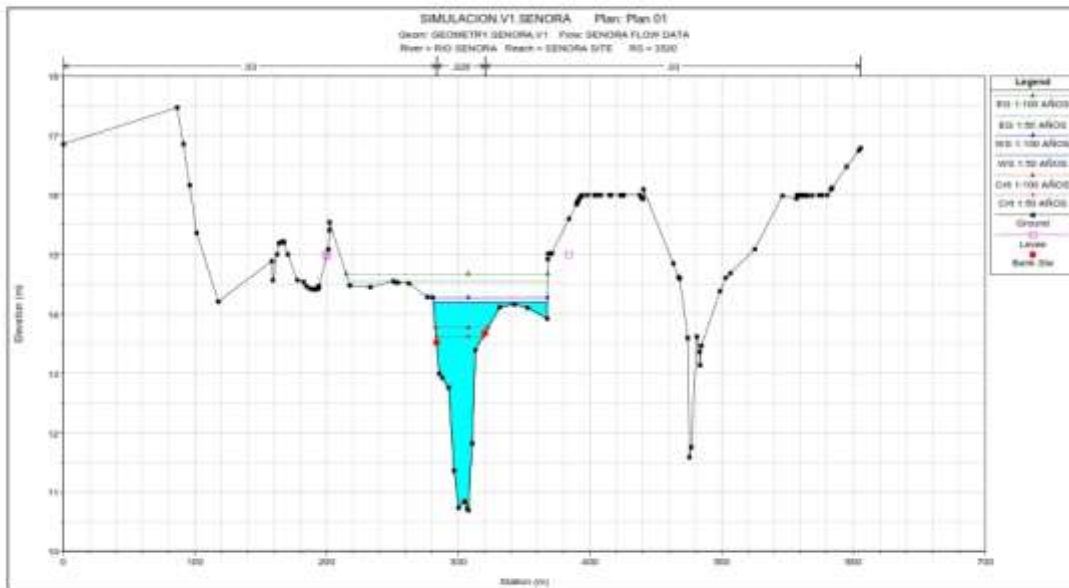


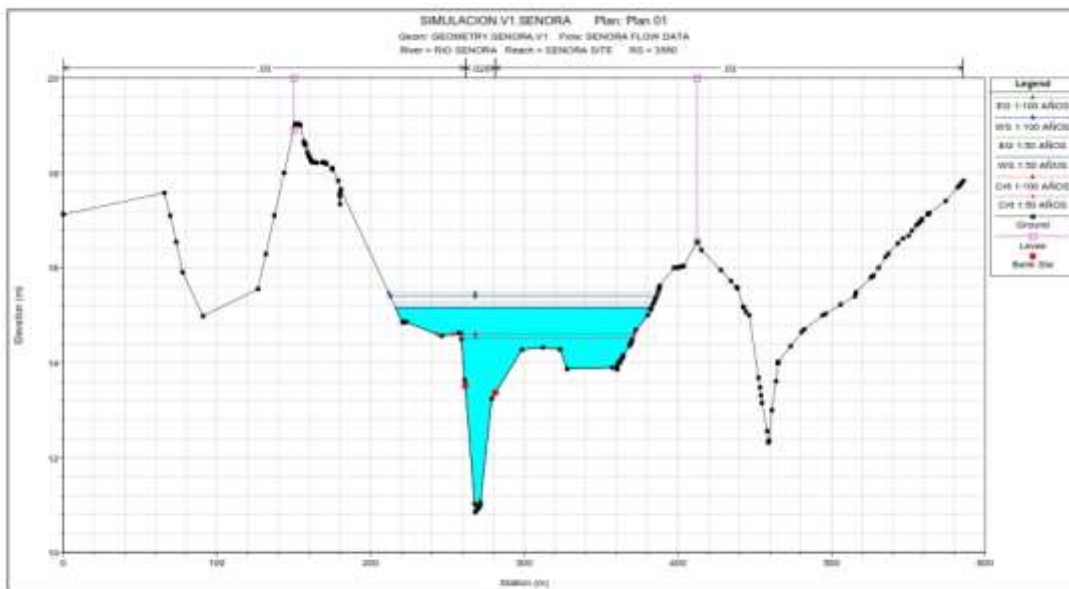
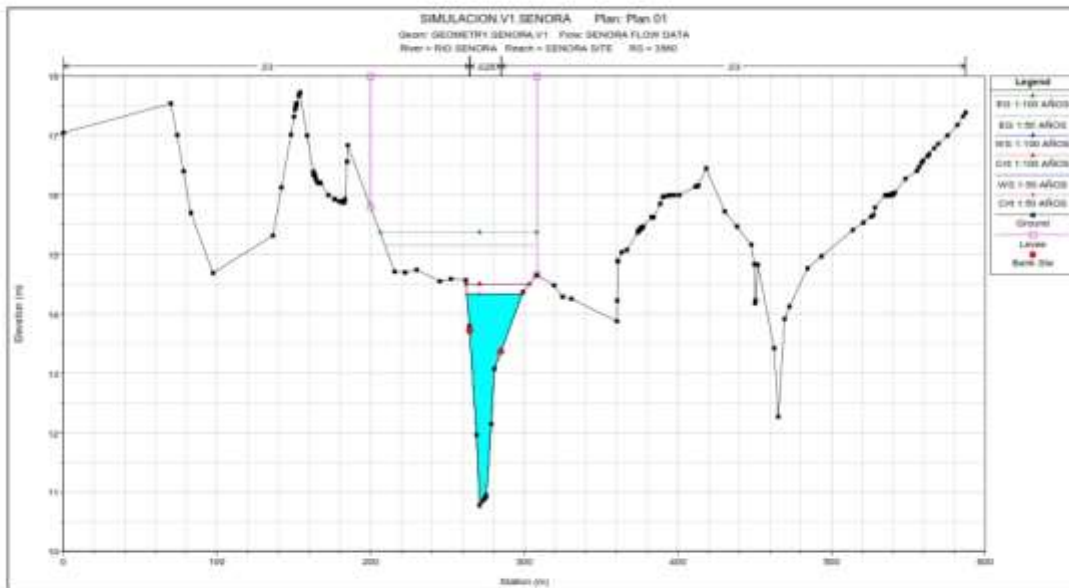


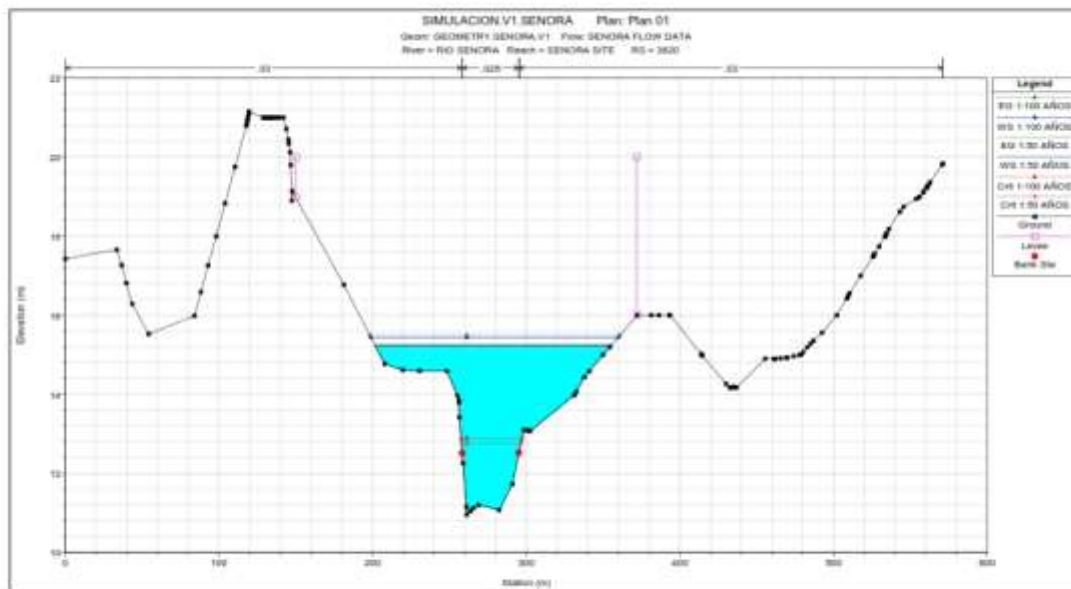
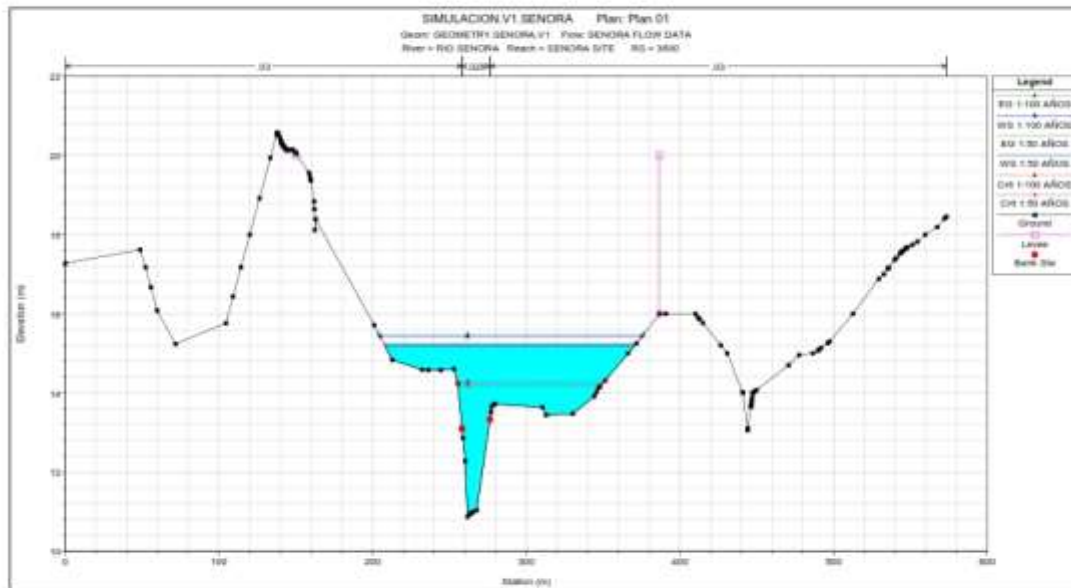


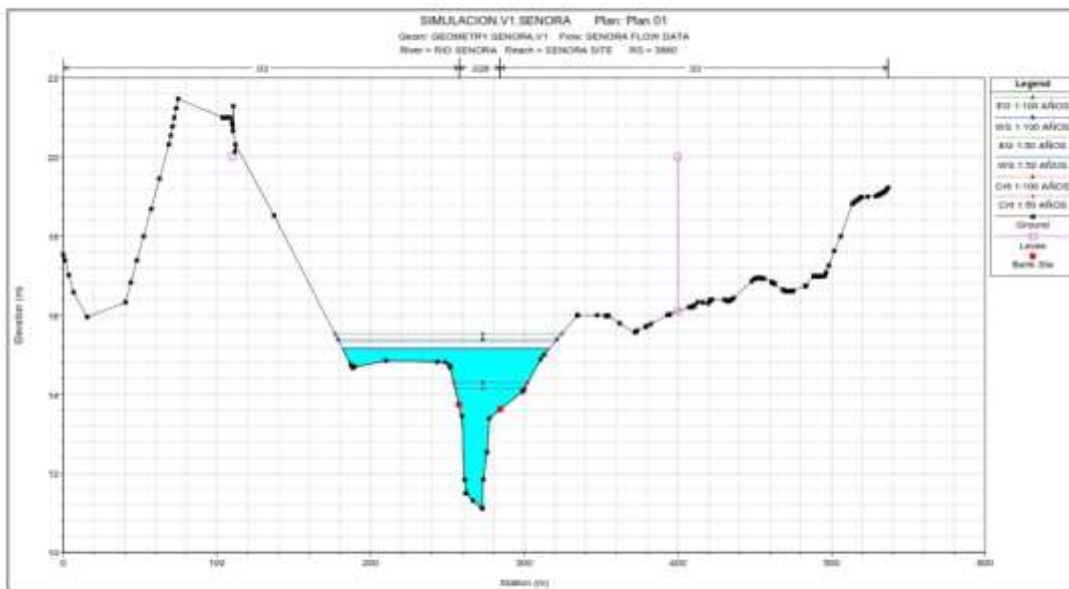
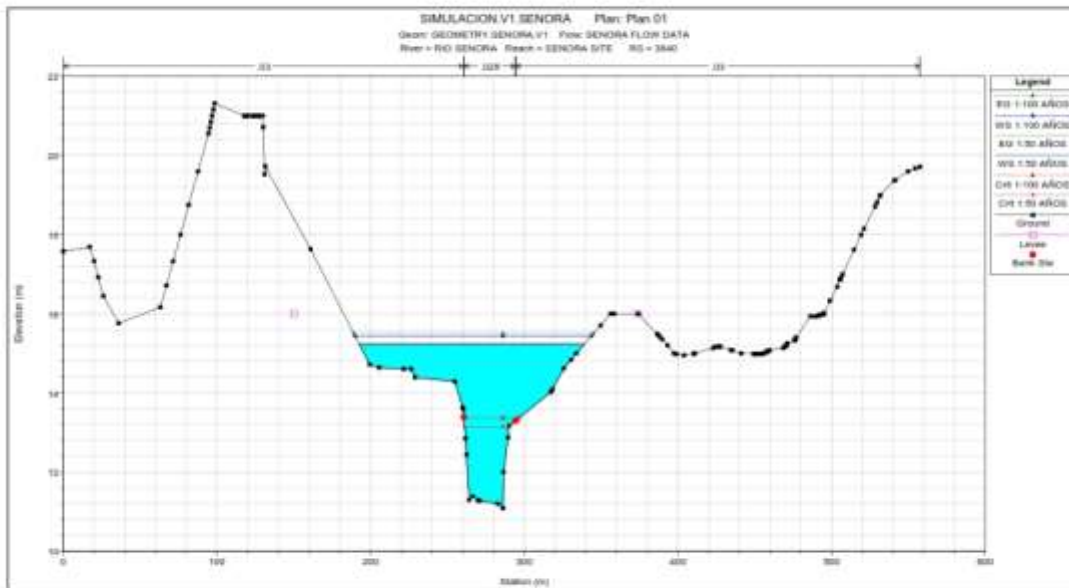


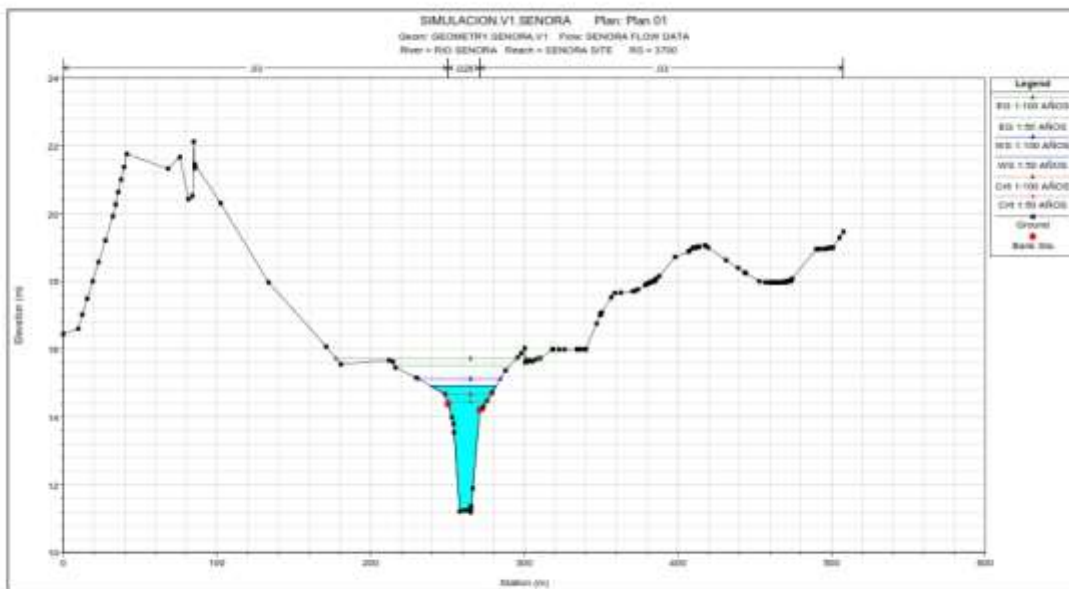
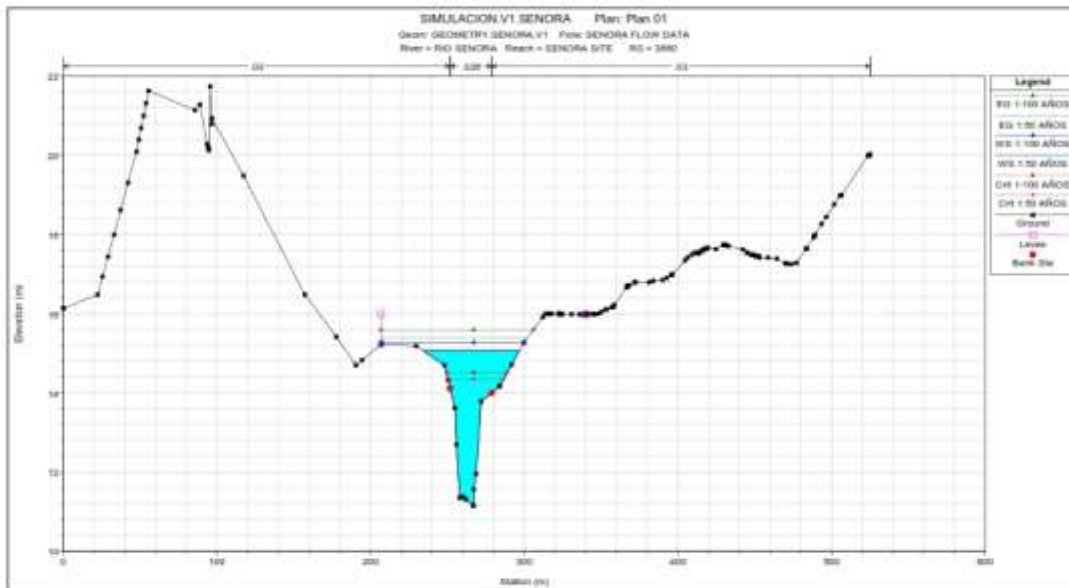


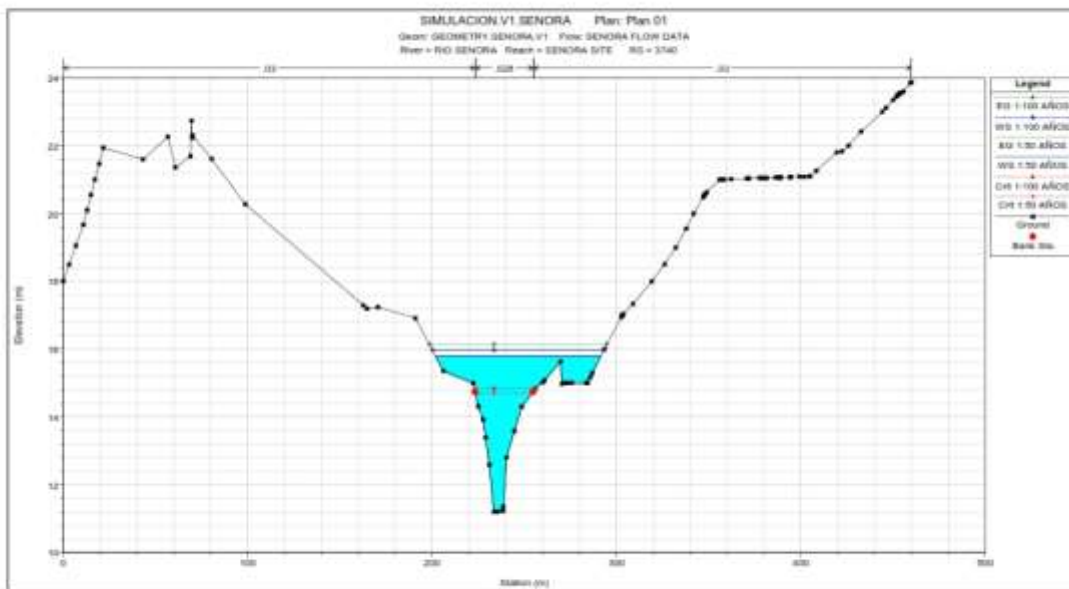
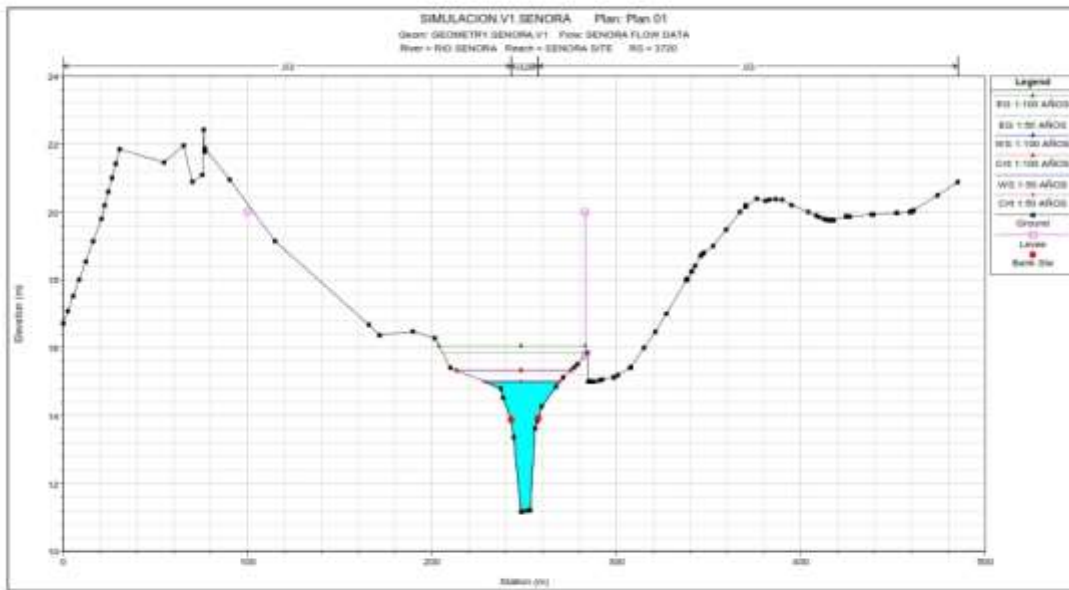


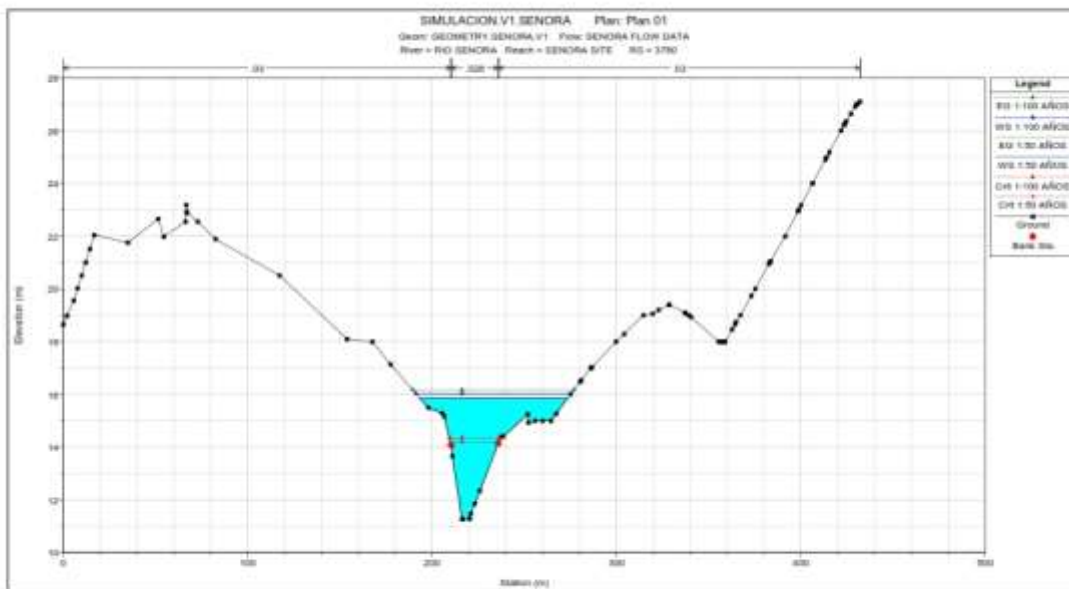
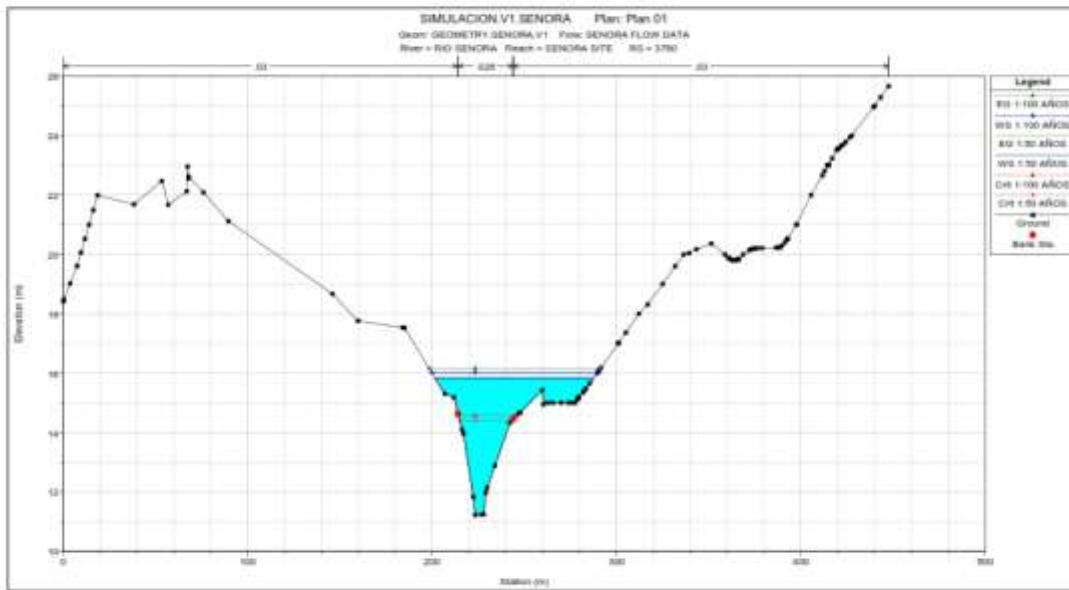


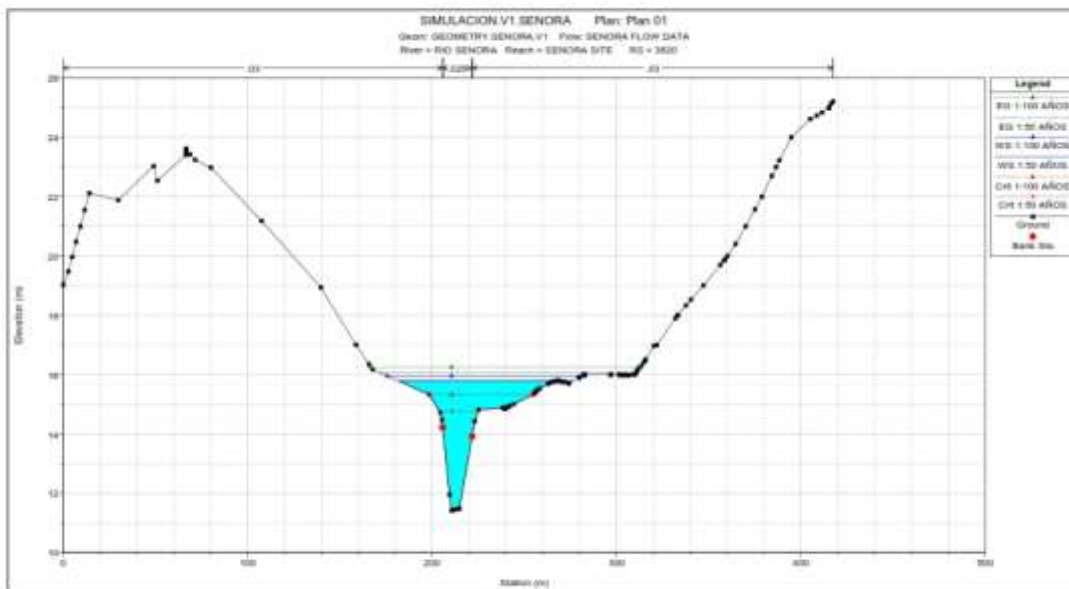
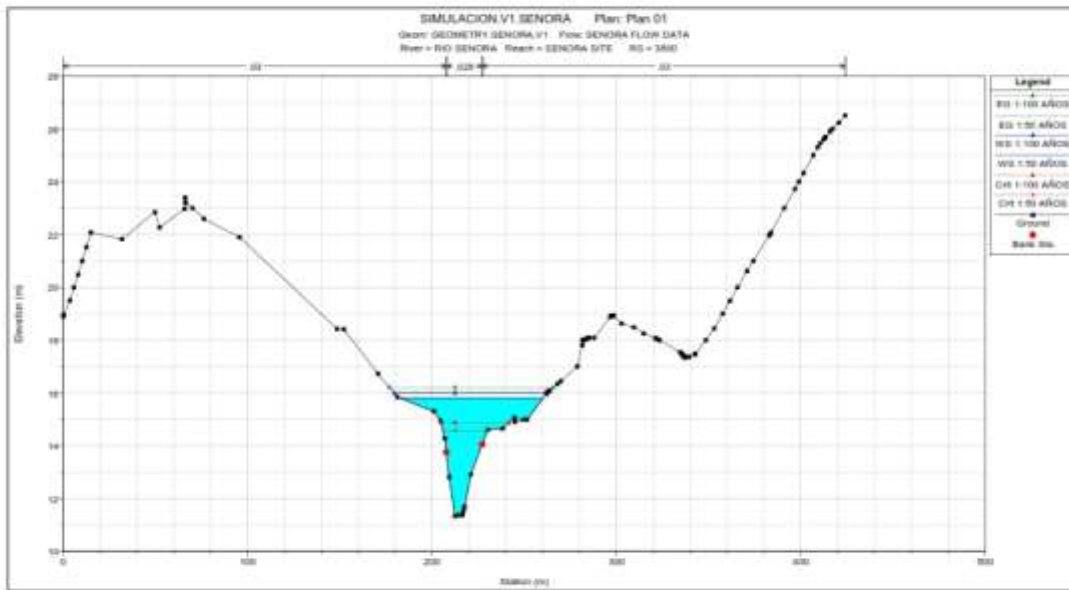


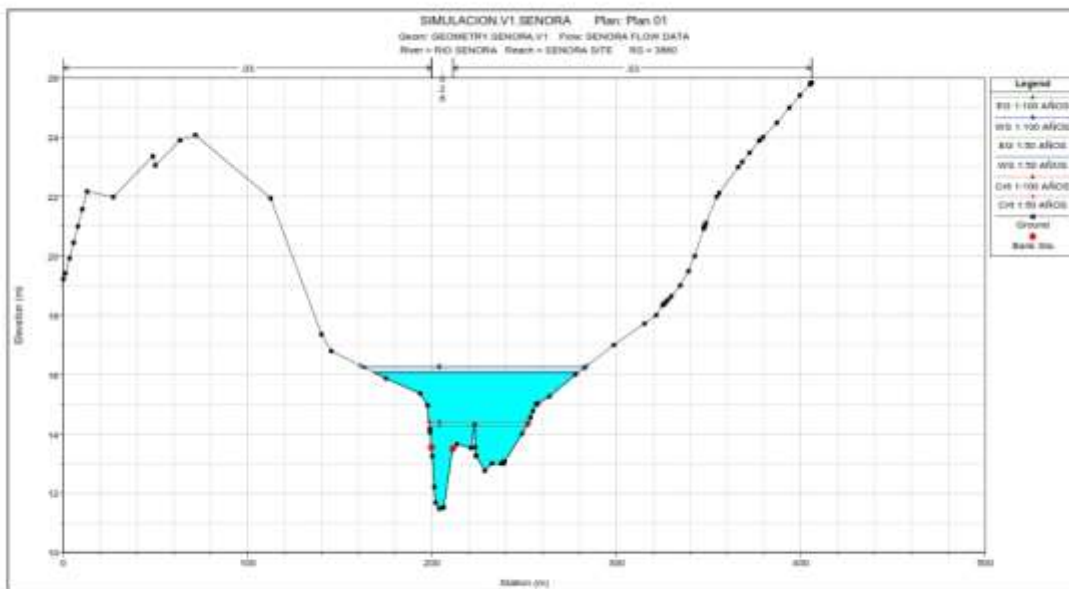
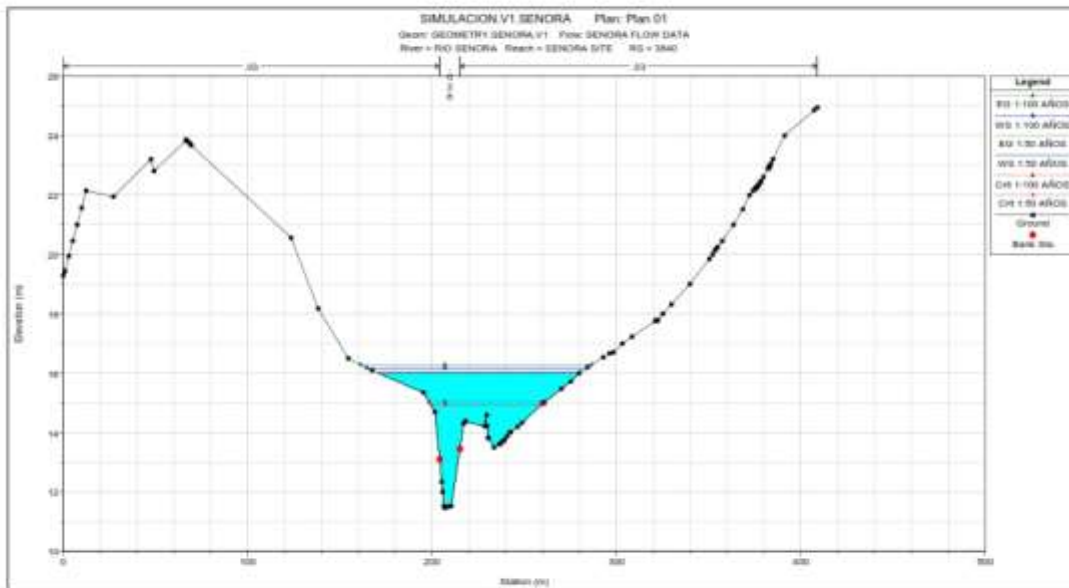


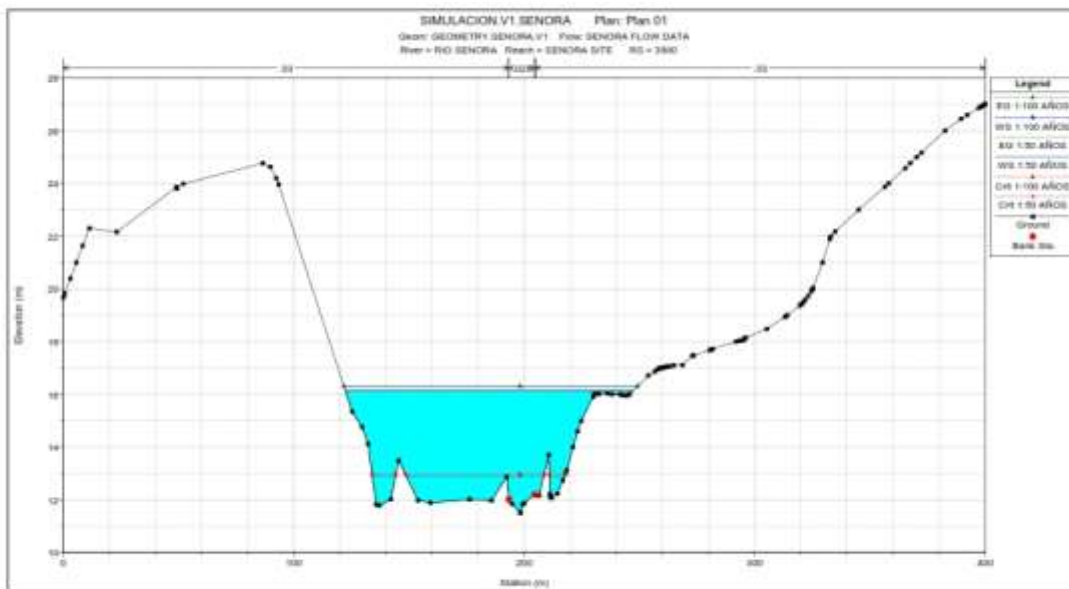
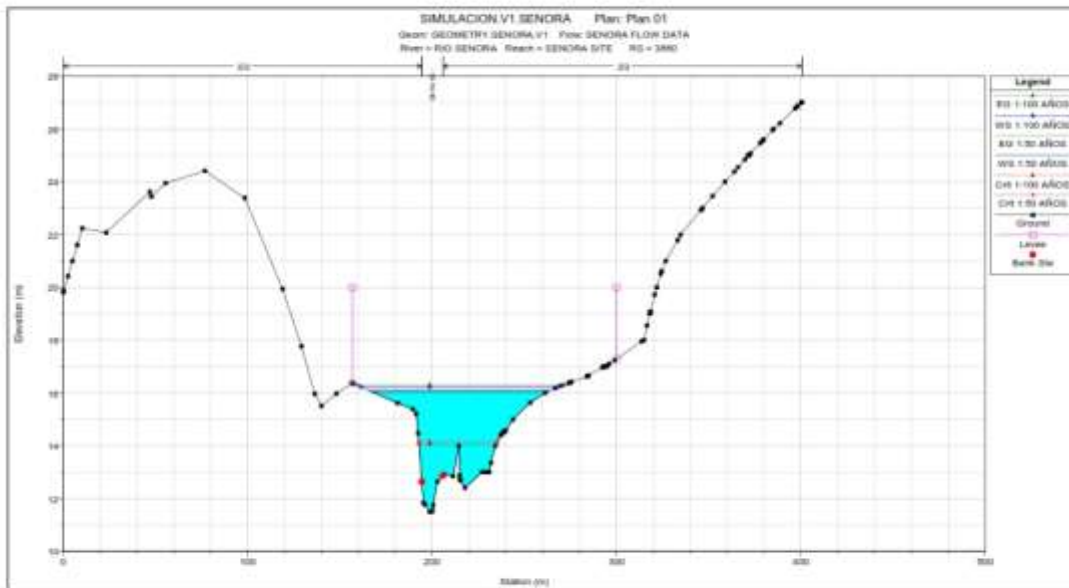


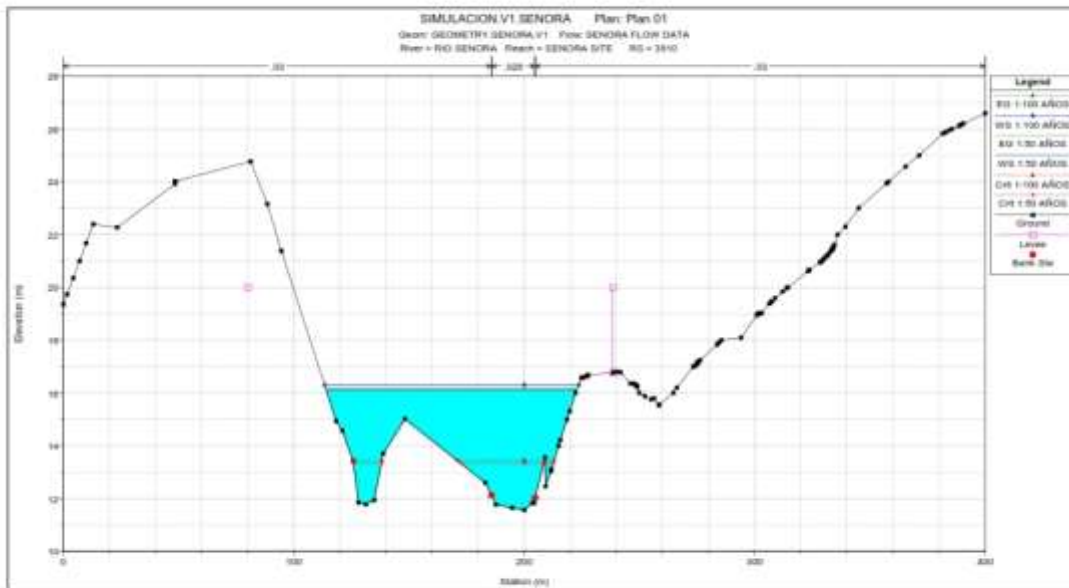












A.3 SALIDA DE LAS SECCIONES TRANSVERSALES PERIODO DE RETORNO DE 1:50 Y 1:100 AÑOS PARA CONDICIÓN DE DISEÑO

