
 HEC2 RELEASE DATED NOV 76 UPDATED AUG2:42
 ERROR CORR - 01,02
 MODIFICATION - 50,51,52,53

T1 BUNCOMBE CO NC FIA
 T2 10 YEAR FLOOD
 T3 REEMS CREEK 8-77 SFA

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	2.	0.	0.	0.00500	0.	0.0	500.	0.0	0

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

	150.00	0.0	201.00	0.0	0.0	0.0	0.0	0.0	0.0	0
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	160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
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NC	0.150	0.070	0.055	0.1	0.5					
QT	6.	3440.	5680.	6880.	9610.	6880.	6880.	0.	0.	
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	175.00	290

X1	1.28	15.	250.	280.	0.	0.	0.	0.0	0.0	
GR	1925.5	0.	1915.5	50.	1905.5	120.	1905.5	150.	1905.6	1
GR	1904.9	215.	1902.6	235.	1898.0	250.	1897.5	250.	1896.8	
GR	1897.0	270.	1897.0	280.	1898.0	280.	1902.2	290.	1926.5	
NC	0.100	0.120	0.055	0.1	0.5					
QT	6.	3410.	5640.	6820.	9560.	6820.	6820.	0.	0.	
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	65.00	150

X1	1.74	14.	100.	135.	2500.	2500.	2500.	0.0	0.0	
GR	1932.0	20.	1926.0	37.	1923.0	40.	1918.5	65.	1915.0	
GR	1912.0	100.	1911.1	100.	1910.7	110.	1910.8	120.	1910.9	
GR	1912.0	135.	1914.0	137.	1918.5	160.	1931.1	185.	0.0	
NC	0.130	0.070	0.055	0.1	0.5					
QT	6.	3400.	5600.	6800.	9500.	6800.	6800.	0.	0.	
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	65.00	15

X1	2.09	19.	68.	100.	1850.	1850.	1850.	0.0	0.0	
GR	1949.0	25.	1934.0	55.	1933.3	60.	1924.6	68.	1923.2	
GR	1922.4	92.	1924.9	100.	1924.6	100.	1927.4	102.	1928.9	
GR	1927.6	116.	1927.5	126.	1928.6	130.	1930.0	185.	1930.6	
GR	1934.0	258.	1938.9	290.	1943.9	315.	1947.5	341.	0.0	
NC	0.070	0.070	0.055	0.1	0.5					
QT	6.	3290.	5370.	6480.	9160.	6480.	6480.	0.	0.	
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	125.00	21

X1	2.25	16.	171.	199.	790.	790.	790.	0.0	0.0	
GR	1952.5	20.	1947.3	61.	1939.9	100.	1934.9	160.	1929.5	
GR	1928.9	171.	1928.0	180.	1927.8	190.	1928.4	199.	1929.5	

GR	1941.2	213.	0.0	0.	0.0	0.	0.0	0.0	0.0	8.11	125.00	210.
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

X1	2.25	0.	0.	0.	30.	30.	30.	0.0	0.0			
SB	1.25	1.60	3.00	0.	35.00	1.00	437.50	0.0	1927.8	1927		
NC	0.120	0.120	0.055	0.1	0.5							
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	125.00	210.		

X1	2.25	0.	0.	0.	30.	30.	30.	0.0	0.0			
X2	0.	0.0	1.	1940.8	1942.0	0.0	0.	0.0	0.0			
BT	9.0	20.0	1952.5	0.0	100.0	1942.0	0.0	155.0	1942.3	0		
BT	155.0	1942.9	1940.8	200.0	1942.5	1940.4	200.0	1942.4	0.0	273		
BT	1944.5	0.0	273.0	1945.6	0.0	285.0	1952.3	0.0	0.0	0		
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	125.00	210.		

X1	2.25	0.	0.	0.	10.	10.	10.	0.0	0.0			
NC	0.120	0.120	0.050	0.3	0.8							
QT	6.	3290.	5370.	6480.	9160.	6480.	6480.	0.	0.			
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	115.00	270.		

X1	2.37	18.	165.	200.	720.	720.	720.	0.0	0.0			
GR	1958.0	20.	1947.5	50.	1941.9	100.	1938.2	160.	1935.5	16		
GR	1934.2	165.	1934.0	200.	1935.0	200.	1937.6	205.	1940.5	24		
GR	1940.8	260.	1940.5	300.	1943.8	375.	1945.8	390.	1949.9	40		
GR	1949.2	416.	1951.5	426.	1958.0	440.	0.0	0.	0.0			
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	115.00	270.		

X1	2.37	15.	165.	200.	40.	40.	40.	0.0	0.0			
GR	1958.0	20.	1958.0	125.	1940.3	125.	1938.2	160.	1935.5	16		
GR	1934.2	165.	1934.0	200.	1935.0	200.	1937.6	205.	1940.5	24		
GR	1960.0	240.	1960.0	300.	1960.0	375.	1960.0	390.	1960.0	40		
SB	1.25	1.60	3.00	0.	38.00	4.00	1200.00	2.50	1933.6	1933		
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	115.00	270.		

X1	2.37	0.	0.	0.	30.	30.	30.	0.0	0.0			
X2	0.	0.0	1.	1949.7	1949.8	0.0	0.	0.0	0.0			
BT	8.0	50.0	1948.8	0.0	100.0	1949.5	0.0	150.0	1950.3	0		
BT	150.0	1951.9	1946.5	278.0	1954.5	1949.6	278.0	1952.6	0.0	400		
BT	1956.0	0.0	450.0	1958.0	0.0	0.0	0.0	0.0	0.0	0		
NC	0.120	0.070	0.050	0.1	0.5							
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	115.00	270.		

X1	2.37	18.	165.	200.	10.	10.	10.	0.0	0.0			
GR	1958.0	20.	1947.5	50.	1941.9	100.	1938.2	160.	1935.5	16		
GR	1934.2	165.	1934.0	200.	1935.0	200.	1937.6	205.	1940.5	24		
GR	1940.8	260.	1940.5	300.	1943.8	375.	1945.8	390.	1949.9	40		
GR	1949.2	416.	1951.5	426.	1958.0	440.	0.0	0.	0.0			
NC	0.120	0.070	0.050	0.1	0.5							
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	250.00	310.		

X1	2.45	15.	267.	300.	460.	460.	460.	0.0	-5.00			
GR	1961.2	25.	1957.6	40.	1956.1	60.	1951.6	200.	1950.8	20		
GR	1951.8	246.	1941.1	267.	1940.2	267.	1940.1	285.	1940.2	30		
GR	1941.0	300.	1949.3	317.	1951.1	335.	1956.2	345.	1961.1	30		
NC	0.120	0.090	0.050	0.1	0.5							
QT	6.	3240.	5320.	6400.	9070.	6400.	6400.	0.	0.			
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	250.00	310.		

X1	4.53	12.	120.	145.	20.	20.	20.	0.0	0.0	
GR	2019.0	45.	2014.3	67.	2014.1	68.	2010.5	86.	2010.5	12
GR	2006.5	120.	2006.5	145.	2010.5	145.	2010.5	165.	2014.5	19
GR	2014.5	191.	2019.2	220.	0.0	0.	0.0	0.	0.0	
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	185.00	290.

X1	4.53	13.	232.	264.	20.	20.	20.	0.0	-0.60	
GR	2031.6	155.	2009.6	200.	2010.1	226.	2008.0	230.	2006.9	23
GR	2005.7	239.	2005.9	260.	2006.9	264.	2011.8	275.	2012.5	31
GR	2029.8	337.	2032.5	352.	2032.9	365.	0.0	0.	0.0	
NC	0.150	0.150	0.050	0.1	0.5					
QT	6.	3060.	5080.	6090.	8620.	6090.	6090.	0.	0.	
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	185.00	290.

X1	4.64	0.	0.	0.	540.	540.	540.	0.0	0.60	
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	185.00	290.

X1	4.64	0.	0.	0.	40.	40.	40.	0.0	0.0	
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	165.00	275.

X1	4.64	29.	229.	263.	5.	5.	5.	0.0	0.0	
BT	5.0	0.0	2035.2	0.0	144.0	2031.9	0.0	144.0	2035.1	202
BT	300.0	2032.0	2025.2	300.0	2028.5	0.0	0.0	0.0	0.0	
GR	2035.2	0.	2031.9	144.	2027.5	146.	2023.2	146.	2012.6	1
GR	2011.9	184.	2026.9	184.	2026.9	194.	2011.5	194.	2010.0	20
GR	2009.5	209.	2010.4	219.	2008.5	229.	2026.2	229.	2026.2	2
GR	2007.9	239.	2006.4	240.	2006.4	241.	2006.3	245.	2006.0	2
GR	2006.2	263.	2010.0	267.	2010.8	269.	2025.6	269.	2025.5	2
GR	2012.5	279.	2021.0	287.	2024.7	299.	2028.5	300.	0.0	
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	165.00	275.

X1	4.64	0.	0.	0.	40.	40.	40.	0.0	0.0	
X2	0.	0.0	0.	0.0	0.0	0.0	1.	0.0	0.0	
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	185.00	290

X1	4.64	13.	232.	264.	5.	5.	5.	0.0	0.0	
GR	2031.6	155.	2009.6	200.	2010.0	226.	2008.0	230.	2006.9	2
GR	2005.7	239.	2005.9	260.	2006.9	264.	2011.8	275.	2012.5	3
GR	2029.8	337.	2032.5	352.	2032.9	365.	0.0	0.	0.0	
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	185.00	290

X1	4.64	0.	0.	0.	10.	10.	10.	0.0	0.0	
NC	0.120	0.130	0.050	0.1	0.5					
QT	6.	3060.	5080.	6090.	8620.	6090.	6090.	0.	0.	
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	110.00	210

X1	4.83	15.	172.	200.	990.	990.	990.	0.0	0.0	
GR	2029.7	25.	2017.2	52.	2014.9	70.	2014.9	100.	2014.8	1
GR	2008.8	172.	2008.3	172.	2008.0	194.	2008.5	200.	2008.7	2
GR	2014.3	204.	2015.1	217.	2024.5	234.	2025.8	247.	2029.6	2
NC	0.100	0.100	0.040	0.3	0.8					
QT	6.	3020.	5030.	6030.	8550.	6030.	6030.	0.	0.	
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	350.00	450

X1	5.00	10.	380.	400	010	010	010	0.0	0.0	
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GR	2011.4	380.	2010.9	385.	2011.5	400.	2011.9	400.	2017.0	41
GR	2017.5	417.	2018.1	450.	2022.1	465.	2028.1	500.	2028.1	50
GR	2026.4	501.	2026.4	505.	2028.1	505.	2035.5	540.	0.0	
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	350.00	450.

X1	5.00	0.	0.	0.	40.	40.	40.	0.0	0.0	
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	270.00	370.

X1	5.00	26.	307.	330.	5.	5.	5.	0.0	0.0	
BT	8.0	0.0	2041.4	0.0	100.0	2040.0	0.0	200.0	2039.0	0
BT	250.0	2039.2	0.0	250.0	2041.0	2036.0	400.0	2044.2	2039.2	400
BT	2042.5	0.0	465.0	2045.0	0.0	0.0	0.0	0.0	0.0	0
GR	2042.4	0.	2040.0	100.	2039.0	200.	2039.2	250.	2036.0	25
GR	2034.0	259.	2020.0	280.	2016.9	298.	2037.0	298.	2037.1	30
GR	2016.5	300.	2015.3	306.	2011.0	307.	2010.4	308.	2010.2	32
GR	2010.2	330.	2013.1	330.	2017.3	348.	2038.1	348.	2038.2	35
GR	2017.5	350.	2020.5	364.	2036.9	391.	2039.2	400.	2042.5	40
GR	2045.0	465.	0.0	0.	0.0	0.	0.0	0.	0.0	
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	270.00	370.

X1	5.00	0.	0.	0.	30.	30.	30.	0.0	0.0	
X2	0.	0.0	0.	0.0	0.0	0.0	1.	0.0	0.0	
NC	0.170	0.100	0.040	0.0	0.0					
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	270.00	370.

X1	5.00	18.	307.	330.	5.	5.	5.	0.0	0.0	
GR	2042.4	0.	2040.0	100.	2039.0	200.	2039.2	250.	2036.0	25
GR	2034.0	259.	2020.0	280.	2015.3	306.	2011.0	307.	2010.4	30
GR	2010.2	323.	2010.2	330.	2013.1	330.	2020.5	364.	2036.9	30
GR	2039.2	400.	2042.5	400.	2045.0	465.	0.0	0.	0.0	
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	270.00	370

X1	5.00	15.	307.	330.	10.	10.	10.	0.0	0.0	
GR	2042.4	0.	2040.0	100.	2039.0	200.	2039.2	250.	2036.0	2
GR	2034.0	259.	2020.0	280.	2015.3	306.	2011.0	307.	2010.4	3
GR	2010.2	323.	2010.2	330.	2013.1	330.	2025.6	335.	2030.4	4
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	350.00	450

X1	5.00	19.	380.	400.	20.	20.	20.	0.0	0.0	
GR	2035.5	315.	2019.4	350.	2018.5	362.	2014.8	375.	2012.4	3
GR	2011.4	380.	2010.9	385.	2011.5	400.	2011.9	400.	2017.0	4
GR	2017.5	417.	2018.1	450.	2022.1	465.	2028.1	500.	2028.1	5
GR	2026.4	501.	2026.4	505.	2028.1	505.	2035.5	540.	0.0	
NC	0.150	0.100	0.050	0.0	0.0					
QT	6.	2850.	4700.	5600.	8000.	5600.	5600.	0.	0.	
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	225.00	350

X1	5.26	25.	294.	331.	1285.	1285.	1285.	0.0	0.0	
GR	2037.2	107.	2032.5	150.	2028.0	165.	2028.1	180.	2025.0	2
GR	2024.9	249.	2025.2	276.	2025.2	280.	2025.6	285.	2022.9	2
GR	2015.5	294.	2014.5	298.	2014.5	309.	2014.4	316.	2014.9	3
GR	2015.1	325.	2015.2	331.	2019.3	333.	2020.8	337.	2021.5	3
GR	2024.2	350.	2031.9	367.	2033.8	400.	2035.0	426.	2037.2	4
NC	0.150	0.100	0.050	0.1	0.5					
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	225.00	350

X1	5.26	25	276.	350.	40.	40.	40	0.0	0.0	
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GR	2037.2	107.	2032.5	150.	2028.0	165.	2028.1	180.	2025.0	21
GR	2024.9	249.	2025.2	276.	2025.2	280.	2025.6	285.	2022.9	29
GR	2015.5	294.	2014.5	298.	2014.5	309.	2014.4	316.	2014.9	32
GR	2015.1	325.	2015.2	331.	2019.3	333.	2020.8	337.	2021.5	33
GR	2024.2	350.	2031.9	367.	2033.8	400.	2035.0	426.	2037.2	43
SB	1.25	1.60	3.00	0.	38.40	2.00	800.00	1.10	2014.4	2014
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	225.00	350.

X1	5.26	25.	276.	350.	30.	30.	30.	0.0	0.0	
X2	0.	0.0	1.	2029.5	2028.0	0.0	0.	0.0	0.0	
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2028.0	0.0	
BT	12.0	107.0	2037.2	0.0	150.0	2032.5	0.0	165.0	2028.0	0
BT	180.0	2028.1	0.0	275.0	2030.0	0.0	275.0	2030.8	2028.0	350
BT	2032.3	2029.5	350.0	2031.6	0.0	367.0	2032.1	0.0	400.0	2033
BT	0.0	426.0	2035.9	0.0	435.0	2037.2	0.0	0.0	0.0	0
GR	2037.2	107.	2032.5	150.	2028.0	165.	2028.1	180.	2025.0	21
GR	2024.9	249.	2025.2	276.	2025.2	280.	2025.6	285.	2022.9	29
GR	2015.5	294.	2014.5	298.	2014.5	309.	2014.4	316.	2014.9	32
GR	2015.1	325.	2015.2	331.	2019.3	333.	2020.8	337.	2021.5	33
GR	2024.2	350.	2031.9	367.	2033.8	400.	2035.0	426.	2037.2	43
NC	0.150	0.150	0.055	0.1	0.5					
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	225.00	350.

X1	5.26	25.	294.	331.	10.	10.	10.	0.0	0.0	
GR	2037.2	107.	2032.5	150.	2028.0	165.	2028.1	180.	2025.0	21
GR	2024.9	249.	2025.2	276.	2025.2	280.	2025.6	285.	2022.9	29
GR	2015.5	294.	2014.5	298.	2014.5	309.	2014.4	316.	2014.9	32
GR	2015.1	325.	2015.2	331.	2019.3	333.	2020.8	337.	2021.5	33
GR	2024.2	350.	2031.9	367.	2033.8	400.	2035.0	426.	2037.2	43
NC	0.150	0.150	0.065	0.1	0.5					
QT	6.	2850.	4700.	5600.	8000.	5600.	5600.	0.	0.	
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	140.00	290.

X1	5.48	15.	247.	275.	1110.	1110.	1110.	0.0	0.0	
GR	2045.0	38.	2040.0	50.	2033.0	70.	2030.5	85.	2027.5	24
GR	2019.0	247.	2018.0	251.	2018.0	262.	2019.0	275.	2024.5	28
GR	2025.8	325.	2030.7	344.	2042.3	378.	2042.9	384.	2044.8	39
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	140.00	290.

X1	5.48	11.	143.	238.	50.	50.	50.	0.0	0.0	
GR	2045.0	38.	2040.0	50.	2033.0	70.	2032.7	143.	2027.8	14
GR	2027.8	238.	2031.6	238.	2031.6	346.	2042.3	378.	2042.9	38
GR	2044.8	392.	0.0	0.	0.0	0.	0.0	0.	0.0	
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	140.00	290.

X1	5.48	24.	250.	276.	25.	25.	25.	0.0	0.0	
GR	2045.0	38.	2040.0	50.	2033.0	70.	2029.0	95.	2026.0	10
GR	2025.6	118.	2028.6	134.	2029.8	147.	2024.4	153.	2023.7	16
GR	2028.5	170.	2027.7	190.	2027.0	245.	2024.6	250.	2023.7	25
GR	2023.2	258.	2023.6	266.	2025.6	276.	2028.9	280.	2030.1	28
GR	2030.7	344.	2042.3	378.	2042.9	384.	2044.8	392.	0.0	
NC	0.150	0.120	0.050	0.1	0.5					
QT	6.	2810.	4620.	5520.	7840.	5520.	5520.	0.	0.	
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	185.00	415.

X1	5.83	17.	350.	374.	1775.	1775.	1775.	0.0	0.0	
GR	2054.3	47.	2049.2	72.	2041.6	150.	2037.9	250.	2038.6	28
GR	2038.6	332.	2032.8	350.	2032.5	355.	2031.5	362.	2031.9	36
GR	2032.9	374.	2041.2	383.	2044.1	415.	2044.0	427.	2042.0	41

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SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS
1.280	0.	0.0	0.0	1896.8	3440.0	1906.98	0.0
1.280	0.	0.0	0.0	1896.8	5680.0	1909.32	0.0
1.280	0.	0.0	0.0	1896.8	6880.0	1910.32	0.0
1.280	0.	0.0	0.0	1896.8	9610.0	1912.36	0.0
1.740	2500.	0.0	0.0	1910.7	3410.0	1920.07	0.0
1.740	2500.	0.0	0.0	1910.7	5640.0	1922.52	0.0
1.740	2500.	0.0	0.0	1910.7	6820.0	1923.60	0.0
1.740	2500.	0.0	0.0	1910.7	9560.0	1925.71	0.0
2.090	1850.	0.0	0.0	1922.4	3400.0	1931.58	0.0
2.090	1850.	0.0	0.0	1922.4	5600.0	1933.60	0.0
2.090	1850.	0.0	0.0	1922.4	6800.0	1934.50	0.0
2.090	1850.	0.0	0.0	1922.4	9500.0	1936.32	0.0
2.250	790.	0.0	0.0	1927.8	3290.0	1937.34	0.0
2.250	790.	0.0	0.0	1927.8	5370.0	1939.07	0.0
2.250	790.	0.0	0.0	1927.8	6480.0	1939.80	0.0
2.250	790.	0.0	0.0	1927.8	9160.0	1941.18	0.0
2.250	30.	0.0	0.0	1927.8	3290.0	1937.79	0.0
2.250	30.	0.0	0.0	1927.8	5370.0	1939.78	0.0
2.250	30.	0.0	0.0	1927.8	6480.0	1940.67	0.0
2.250	30.	0.0	0.0	1927.8	9160.0	1942.21	0.0
2.250	30.	1942.0	1940.8	1927.8	3290.0	1937.93	0.0
2.250	30.	1942.0	1940.8	1927.8	5370.0	1942.20	0.0
2.250	30.	1942.0	1940.8	1927.8	6480.0	1943.35	0.0
* 2.250	30.	1942.0	1940.8	1927.8	9160.0	1944.86	0.0
2.250	10.	0.0	0.0	1927.8	3290.0	1938.07	0.0
2.250	10.	0.0	0.0	1927.8	5370.0	1942.25	0.0
2.250	10.	0.0	0.0	1927.8	6480.0	1943.40	0.0
2.250	10.	0.0	0.0	1927.8	9160.0	1944.93	0.0
2.370	720.	0.0	0.0	1934.0	3290.0	1942.76	0.0
2.370	720.	0.0	0.0	1934.0	5370.0	1945.18	0.0
2.370	720.	0.0	0.0	1934.0	6480.0	1946.31	0.0
2.370	720.	0.0	0.0	1934.0	9160.0	1948.43	0.0

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS
2.370	40.	0.0	0.0	1934.0	3290.0	1942.91	0.0
2.370	40.	0.0	0.0	1934.0	5370.0	1945.22	0.0
2.370	40.	0.0	0.0	1934.0	6480.0	1946.30	0.0
2.370	40.	0.0	0.0	1934.0	9160.0	1948.32	0.0
2.370	30.	1949.8	1949.7	1934.0	3290.0	1943.14	0.0
2.370	30.	1949.8	1949.7	1934.0	5370.0	1945.52	0.0
2.370	30.	1949.8	1949.7	1934.0	6480.0	1946.63	0.0
2.370	30.	1949.8	1949.7	1934.0	9160.0	1949.84	0.0
2.370	10.	0.0	0.0	1934.0	3290.0	1943.73	0.0
2.370	10.	0.0	0.0	1934.0	5370.0	1946.52	0.0
2.370	10.	0.0	0.0	1934.0	6480.0	1947.80	0.0
2.370	10.	0.0	0.0	1934.0	9160.0	1951.21	0.0
2.450	460.	0.0	0.0	1935.1	3290.0	1944.64	0.0
2.450	460.	0.0	0.0	1935.1	5370.0	1946.82	0.0
2.450	460.	0.0	0.0	1935.1	6480.0	1947.94	0.0
2.450	460.	0.0	0.0	1935.1	9160.0	1951.19	0.0
2.670	1000.	0.0	0.0	1940.1	3240.0	1949.64	0.0
2.670	1000.	0.0	0.0	1940.1	5320.0	1952.41	0.0
2.670	1000.	0.0	0.0	1940.1	6400.0	1953.43	0.0
2.670	1000.	0.0	0.0	1940.1	9070.0	1955.34	0.0
3.130	2400.	0.0	0.0	1954.1	3200.0	1961.76	0.0
3.130	2400.	0.0	0.0	1954.1	5260.0	1964.10	0.0
3.130	2400.	0.0	0.0	1954.1	6330.0	1965.09	0.0
3.130	2400.	0.0	0.0	1954.1	8960.0	1967.17	0.0
3.640	2700.	0.0	0.0	1966.2	3160.0	1974.80	0.0
3.640	2700.	0.0	0.0	1966.2	5200.0	1976.90	0.0
3.640	2700.	0.0	0.0	1966.2	6250.0	1977.74	0.0
3.640	2700.	0.0	0.0	1966.2	8840.0	1979.53	0.0
4.050	2140.	0.0	0.0	1976.7	3110.0	1986.20	0.0
4.050	2140.	0.0	0.0	1976.7	5150.0	1988.74	0.0
4.050	2140.	0.0	0.0	1976.7	6190.0	1989.73	0.0
4.050	2140.	0.0	0.0	1976.7	8760.0	1991.70	0.0
4.050	20.	0.0	0.0	1976.7	3110.0	1986.39	0.0
4.050	20.	0.0	0.0	1976.7	5150.0	1988.94	0.0
4.050	20.	0.0	0.0	1976.7	6190.0	1989.92	0.0
4.050	20.	0.0	0.0	1976.7	8760.0	1991.85	0.0
4.050	20.	0.0	0.0	1976.7	3110.0	1986.57	0.0
4.050	20.	0.0	0.0	1976.7	5150.0	1989.16	0.0
4.050	20.	0.0	0.0	1976.7	6190.0	1990.17	0.0
4.050	20.	0.0	0.0	1976.7	8760.0	1992.19	0.0
4.050	20.	0.0	0.0	1976.7	3110.0	1986.76	0.0
4.050	20.	0.0	0.0	1976.7	5150.0	1989.41	0.0
4.050	20.	0.0	0.0	1976.7	6190.0	1990.46	0.0
4.050	20.	0.0	0.0	1976.7	8760.0	1992.64	0.0

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS
4.300	1280.	0.0	0.0	1980.6	3090.0	1991.34	0.0
4.300	1280.	0.0	0.0	1980.6	5120.0	1994.32	0.0
4.300	1280.	0.0	0.0	1980.6	6150.0	1995.57	0.0
4.300	1280.	0.0	0.0	1980.6	8700.0	1998.23	0.0
4.530	1180.	0.0	0.0	1987.4	3090.0	1995.16	1993.30
4.530	1180.	0.0	0.0	1987.4	5120.0	1997.79	0.0
4.530	1180.	0.0	0.0	1987.4	6150.0	1998.94	0.0
4.530	1180.	0.0	0.0	1987.4	8700.0	2001.46	0.0
* 4.530	20.	0.0	0.0	2006.5	3090.0	2013.83	2013.83
* 4.530	20.	0.0	0.0	2006.5	5120.0	2015.68	2015.68
* 4.530	20.	0.0	0.0	2006.5	6150.0	2016.41	2016.41
* 4.530	20.	0.0	0.0	2006.5	8700.0	2017.98	2017.98
4.530	20.	0.0	0.0	2005.1	3090.0	2015.60	0.0
4.530	20.	0.0	0.0	2005.1	5120.0	2017.53	0.0
4.530	20.	0.0	0.0	2005.1	6150.0	2018.30	0.0
4.530	20.	0.0	0.0	2005.1	8700.0	2019.84	0.0
4.640	540.	0.0	0.0	2005.7	3060.0	2016.96	0.0
4.640	540.	0.0	0.0	2005.7	5080.0	2019.40	0.0
4.640	540.	0.0	0.0	2005.7	6090.0	2020.42	0.0
4.640	540.	0.0	0.0	2005.7	8620.0	2022.58	0.0
4.640	40.	0.0	0.0	2005.7	3060.0	2017.05	0.0
4.640	40.	0.0	0.0	2005.7	5080.0	2019.51	0.0
4.640	40.	0.0	0.0	2005.7	6090.0	2020.55	0.0
4.640	40.	0.0	0.0	2005.7	8620.0	2022.73	0.0
4.640	5.	2028.5	2027.5	2006.0	3060.0	2016.87	0.0
4.640	5.	2028.5	2027.5	2006.0	5080.0	2019.25	0.0
4.640	5.	2028.5	2027.5	2006.0	6090.0	2020.25	0.0
4.640	5.	2028.5	2027.5	2006.0	8620.0	2022.38	0.0
4.640	40.	2028.5	2027.5	2006.0	3060.0	2017.25	0.0
4.640	40.	2028.5	2027.5	2006.0	5080.0	2019.82	0.0
4.640	40.	2028.5	2027.5	2006.0	6090.0	2020.91	0.0
4.640	40.	2028.5	2027.5	2006.0	8620.0	2023.25	0.0
4.640	5.	0.0	0.0	2005.7	3060.0	2017.68	0.0
4.640	5.	0.0	0.0	2005.7	5080.0	2020.43	0.0
4.640	5.	0.0	0.0	2005.7	6090.0	2021.58	0.0
4.640	5.	0.0	0.0	2005.7	8620.0	2024.02	0.0
4.640	10.	0.0	0.0	2005.7	3060.0	2017.70	0.0
4.640	10.	0.0	0.0	2005.7	5080.0	2020.45	0.0
4.640	10.	0.0	0.0	2005.7	6090.0	2021.60	0.0
4.640	10.	0.0	0.0	2005.7	8620.0	2024.04	0.0
4.830	990.	0.0	0.0	2008.0	3060.0	2019.36	0.0
4.830	990.	0.0	0.0	2008.0	5080.0	2022.33	0.0
4.830	990.	0.0	0.0	2008.0	6090.0	2023.58	0.0
4.830	990.	0.0	0.0	2008.0	8620.0	2026.29	0.0

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS
5.000	810.	0.0	0.0	2010.9	3020.0	2021.39	0.0
5.000	810.	0.0	0.0	2010.9	5030.0	2024.15	0.0
5.000	810.	0.0	0.0	2010.9	6030.0	2025.34	0.0
5.000	810.	0.0	0.0	2010.9	8550.0	2027.94	0.0
5.000	40.	0.0	0.0	2010.9	3020.0	2021.71	0.0
5.000	40.	0.0	0.0	2010.9	5030.0	2024.41	0.0
5.000	40.	0.0	0.0	2010.9	6030.0	2025.58	0.0
5.000	40.	0.0	0.0	2010.9	8550.0	2028.15	0.0
5.000	5.	2039.0	2039.2	2010.2	3020.0	2021.70	0.0
5.000	5.	2039.0	2039.2	2010.2	5030.0	2024.30	0.0
5.000	5.	2039.0	2039.2	2010.2	6030.0	2025.42	0.0
5.000	5.	2039.0	2039.2	2010.2	8550.0	2027.87	0.0
5.000	30.	2039.0	2039.2	2010.2	3020.0	2021.85	0.0
5.000	30.	2039.0	2039.2	2010.2	5030.0	2024.51	0.0
5.000	30.	2039.0	2039.2	2010.2	6030.0	2025.65	0.0
5.000	30.	2039.0	2039.2	2010.2	8550.0	2028.17	0.0
5.000	5.	0.0	0.0	2010.2	3020.0	2021.94	0.0
5.000	5.	0.0	0.0	2010.2	5030.0	2024.90	0.0
5.000	5.	0.0	0.0	2010.2	6030.0	2026.21	0.0
5.000	5.	0.0	0.0	2010.2	8550.0	2029.20	0.0
5.000	10.	0.0	0.0	2010.2	3020.0	2021.86	0.0
5.000	10.	0.0	0.0	2010.2	5030.0	2024.70	0.0
5.000	10.	0.0	0.0	2010.2	6030.0	2025.96	0.0
5.000	10.	0.0	0.0	2010.2	8550.0	2028.85	2025.9
5.000	20.	0.0	0.0	2010.9	3020.0	2023.07	0.0
5.000	20.	0.0	0.0	2010.9	5030.0	2027.32	0.0
5.000	20.	0.0	0.0	2010.9	6030.0	2029.18	0.0
5.000	20.	0.0	0.0	2010.9	8550.0	2033.06	0.0
5.260	1285.	0.0	0.0	2014.4	2850.0	2025.88	0.0
5.260	1285.	0.0	0.0	2014.4	4700.0	2029.35	0.0
5.260	1285.	0.0	0.0	2014.4	5600.0	2030.96	0.0
5.260	1285.	0.0	0.0	2014.4	8000.0	2034.54	0.0
5.260	40.	0.0	0.0	2014.4	2850.0	2026.19	0.0
5.260	40.	0.0	0.0	2014.4	4700.0	2029.72	0.0
5.260	40.	0.0	0.0	2014.4	5600.0	2031.31	0.0
5.260	40.	0.0	0.0	2014.4	8000.0	2034.83	0.0
5.260	30.	2028.0	2029.5	2014.4	2850.0	2026.23	0.0
5.260	30.	2028.0	2029.5	2014.4	4700.0	2030.02	0.0
5.260	30.	2028.0	2029.5	2014.4	5600.0	2031.57	0.0
5.260	30.	2028.0	2029.5	2014.4	8000.0	2034.91	0.0
5.260	10.	0.0	0.0	2014.4	2850.0	2026.16	0.0
5.260	10.	0.0	0.0	2014.4	4700.0	2029.91	0.0
5.260	10.	0.0	0.0	2014.4	5600.0	2031.47	0.0
5.260	10.	0.0	0.0	2014.4	8000.0	2034.82	0.0

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS
5.480	1110.	0.0	0.0	2018.0	2850.0	2029.36	0.0
5.480	1110.	0.0	0.0	2018.0	4700.0	2032.45	0.0
5.480	1110.	0.0	0.0	2018.0	5600.0	2033.77	0.0
5.480	1110.	0.0	0.0	2018.0	8000.0	2036.82	0.0
*	5.480	50.	0.0	2027.8	2850.0	2030.82	2030.8
*	5.480	50.	0.0	2027.8	4700.0	2032.33	2032.3
	5.480	50.	0.0	2027.8	5600.0	2033.74	0.0
	5.480	50.	0.0	2027.8	8000.0	2036.89	0.0
	5.480	25.	0.0	2023.2	2850.0	2032.47	0.0
	5.480	25.	0.0	2023.2	4700.0	2034.12	0.0
	5.480	25.	0.0	2023.2	5600.0	2034.79	0.0
	5.480	25.	0.0	2023.2	8000.0	2037.31	0.0
	5.830	1775.	0.0	2031.5	2810.0	2040.48	2039.9
	5.830	1775.	0.0	2031.5	4620.0	2042.52	0.0
	5.830	1775.	0.0	2031.5	5520.0	2043.33	0.0
	5.830	1775.	0.0	2031.5	7840.0	2044.73	0.0
	6.180	1850.	0.0	2039.4	2800.0	2049.46	0.0
	6.180	1850.	0.0	2039.4	4580.0	2051.59	0.0
	6.180	1850.	0.0	2039.4	5480.0	2052.44	0.0
	6.180	1850.	0.0	2039.4	7760.0	2054.38	0.0
*	6.420	1250.	0.0	2046.9	2780.0	2055.71	2055.7
	6.420	1250.	0.0	2046.9	4540.0	2057.79	0.0
	6.420	1250.	0.0	2046.9	5450.0	2058.71	0.0
	6.420	1250.	0.0	2046.9	7690.0	2060.84	0.0
	6.800	1960.	0.0	2061.0	2750.0	2071.20	0.0
	6.800	1960.	0.0	2061.0	4500.0	2072.67	0.0
	6.800	1960.	0.0	2061.0	5400.0	2073.20	0.0
	6.800	1960.	0.0	2061.0	7600.0	2073.99	2073.8
	6.800	30.	0.0	2061.0	2750.0	2071.46	0.0
	6.800	30.	0.0	2061.0	4500.0	2073.14	0.0
	6.800	30.	0.0	2061.0	5400.0	2073.79	0.0
	6.800	30.	0.0	2061.0	7600.0	2075.22	0.0
	6.800	40.	2071.4	2070.3	2061.0	2071.46	0.0
	6.800	40.	2071.4	2070.3	2061.0	2073.14	0.0
	6.800	40.	2071.4	2070.3	2061.0	2073.80	0.0
	6.800	40.	2071.4	2070.3	2061.0	2075.23	0.0
	6.800	10.	0.0	2061.0	2750.0	2071.54	0.0
	6.800	10.	0.0	2061.0	4500.0	2073.24	0.0
	6.800	10.	0.0	2061.0	5400.0	2073.92	0.0
	6.800	10.	0.0	2061.0	7600.0	2075.37	0.0

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SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
1.280	3440.	1907.0	0.0	0.0	0.0	186.49	0.0
1.280	5680.	1909.3	2.3	0.0	0.0	205.79	0.0
1.280	6880.	1910.3	1.0	0.0	0.0	214.10	0.0
1.280	9610.	1912.4	2.0	0.0	0.0	231.02	0.0
1.740	3410.	1920.1	0.0	13.1	0.0	106.79	2500.00
1.740	5640.	1922.5	2.4	13.2	0.0	125.30	2500.00
1.740	6820.	1923.6	1.1	13.3	0.0	130.72	2500.00
1.740	9560.	1925.7	2.1	13.3	0.0	137.01	2500.00
2.090	3400.	1931.6	0.0	11.5	0.0	155.19	1850.00
2.090	5600.	1933.6	2.0	11.1	0.0	193.32	1850.00
2.090	6800.	1934.5	0.9	10.9	0.0	207.26	1850.00
2.090	9500.	1936.3	1.8	10.6	0.0	222.79	1850.00
2.250	3290.	1937.3	0.0	5.8	0.0	96.26	790.00
2.250	5370.	1939.1	1.7	5.5	0.0	128.90	790.00
2.250	6480.	1939.8	0.7	5.3	0.0	140.50	790.00
2.250	9160.	1941.2	1.4	4.9	0.0	150.68	790.00
2.250	3290.	1937.8	0.0	0.5	0.0	104.77	30.00
2.250	5370.	1939.8	2.0	0.7	0.0	140.21	30.00
2.250	6480.	1940.7	0.9	0.9	0.0	147.16	30.00
2.250	9160.	1942.2	1.5	1.0	0.0	157.79	30.00
2.250	3290.	1937.9	0.0	0.1	0.0	107.35	30.00
2.250	5370.	1942.2	4.3	2.4	0.0	157.70	30.00
2.250	6480.	1943.4	1.2	2.7	0.0	165.68	30.00
2.250	9160.	1944.9	1.5	2.6	0.0	176.11	30.00
2.250	3290.	1938.1	0.0	0.1	0.0	109.98	10.00
2.250	5370.	1942.2	4.2	0.1	0.0	158.06	10.00
2.250	6480.	1943.4	1.2	0.1	0.0	166.05	10.00
2.250	9160.	1944.9	1.5	0.1	0.0	176.51	10.00
2.370	3290.	1942.8	0.0	4.7	0.0	258.91	720.00
2.370	5370.	1945.2	2.4	2.9	0.0	314.65	720.00
2.370	6480.	1946.3	1.1	2.9	0.0	331.35	720.00
2.370	9160.	1948.4	2.1	3.5	0.0	352.84	720.00
2.370	3290.	1942.9	0.0	0.2	0.0	115.00	40.00
2.370	5370.	1945.2	2.3	0.0	0.0	115.00	40.00
2.370	6480.	1946.3	1.1	-0.0	0.0	115.00	40.00
2.370	9160.	1948.3	2.0	-0.1	0.0	115.00	40.00
2.370	3290.	1943.1	0.0	0.2	0.0	115.00	30.00
2.370	5370.	1945.5	2.4	0.3	0.0	115.00	30.00
2.370	6480.	1946.6	1.1	0.3	0.0	115.00	30.00
2.370	9160.	1949.8	3.2	1.5	0.0	115.00	30.00
2.370	3290.	1943.7	0.0	0.6	0.0	289.85	10.00
2.370	5370.	1946.5	2.8	1.0	0.0	334.01	10.00
2.370	6480.	1947.8	1.3	1.2	0.0	348.68	10.00
2.370	9160.	1951.2	3.4	1.4	0.0	385.39	10.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
2.450	3290.	1944.6	0.0	0.9	0.0	70.24	460.00
2.450	5370.	1946.8	2.2	0.3	0.0	143.16	460.00
2.450	6480.	1947.9	1.1	0.1	0.0	180.18	460.00
2.450	9160.	1951.2	3.3	-0.0	0.0	286.27	460.00
2.670	3240.	1949.6	0.0	5.0	0.0	70.05	1000.00
2.670	5320.	1952.4	2.8	5.6	0.0	162.90	1000.00
2.670	6400.	1953.4	1.0	5.5	0.0	196.60	1000.00
2.670	9070.	1955.3	1.9	4.1	0.0	259.58	1000.00
3.130	3200.	1961.8	0.0	12.1	0.0	110.51	2400.00
3.130	5260.	1964.1	2.3	11.7	0.0	140.83	2400.00
3.130	6330.	1965.1	1.0	11.7	0.0	149.47	2400.00
3.130	8960.	1967.2	2.1	11.8	0.0	163.12	2400.00
3.640	3160.	1974.8	0.0	13.0	0.0	77.32	2700.00
3.640	5200.	1976.9	2.1	12.8	0.0	206.30	2700.00
3.640	6250.	1977.7	0.8	12.6	0.0	218.08	2700.00
3.640	8840.	1979.5	1.8	12.4	0.0	239.37	2700.00
4.050	3110.	1986.2	0.0	11.4	0.0	105.24	2140.00
4.050	5150.	1988.7	2.5	11.8	0.0	117.89	2140.00
4.050	6190.	1989.7	1.0	12.0	0.0	124.95	2140.00
4.050	8760.	1991.7	2.0	12.2	0.0	143.83	2140.00
4.050	3110.	1986.4	0.0	0.2	0.0	103.07	20.00
4.050	5150.	1988.9	2.6	0.2	0.0	111.87	20.00
4.050	6190.	1989.9	1.0	0.2	0.0	117.75	20.00
4.050	8760.	1991.9	1.9	0.1	0.0	134.50	20.00
4.050	3110.	1986.6	0.0	0.2	0.0	103.88	20.00
4.050	5150.	1989.2	2.6	0.2	0.0	112.18	20.00
4.050	6190.	1990.2	1.0	0.2	0.0	120.23	20.00
4.050	8760.	1992.2	2.0	0.3	0.0	135.26	20.00
4.050	3110.	1986.8	0.0	0.2	0.0	108.07	20.00
4.050	5150.	1989.4	2.6	0.2	0.0	121.43	20.00
4.050	6190.	1990.5	1.1	0.3	0.0	132.84	20.00
4.050	8760.	1992.6	2.2	0.4	0.0	147.01	20.00
4.300	3090.	1991.3	0.0	4.6	0.0	150.01	1280.00
4.300	5120.	1994.3	3.0	4.9	0.0	166.98	1280.00
4.300	6150.	1995.6	1.3	5.1	0.0	173.21	1280.00
4.300	8700.	1998.2	2.7	5.6	0.0	184.08	1280.00
4.530	3090.	1995.2	0.0	3.8	0.0	136.22	1180.00
4.530	5120.	1997.8	2.6	3.5	0.0	148.03	1180.00
4.530	6150.	1998.9	1.2	3.4	0.0	154.60	1180.00
4.530	8700.	2001.5	2.5	3.2	0.0	168.95	1180.00
*	4.530	3090.	2013.8	0.0	18.7	116.46	20.00
*	4.530	5120.	2015.7	1.8	17.9	137.69	20.00
	4.530	6150.	2016.4	0.7	17.5	145.70	20.00
	4.530	8700.	2018.0	1.6	16.5	162.70	20.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
4.530	3090.	2015.6	0.0	1.8	0.0	130.84	20.00
4.530	5120.	2017.5	1.9	1.9	0.0	137.57	20.00
4.530	6150.	2018.3	0.8	1.9	0.0	140.24	20.00
4.530	8700.	2019.8	1.5	1.9	0.0	145.66	20.00
4.640	3060.	2017.0	0.0	1.4	0.0	133.50	540.00
4.640	5080.	2019.4	2.4	1.9	0.0	142.02	540.00
4.640	6090.	2020.4	1.0	2.1	0.0	145.58	540.00
4.640	8620.	2022.6	2.2	2.7	0.0	153.11	540.00
4.640	3060.	2017.0	0.0	0.1	0.0	133.81	40.00
4.640	5080.	2019.5	2.5	0.1	0.0	142.44	40.00
4.640	6090.	2020.5	1.0	0.1	0.0	146.04	40.00
4.640	8620.	2022.7	2.2	0.2	0.0	153.68	40.00
4.640	3060.	2016.9	0.0	-0.2	0.0	87.41	5.00
4.640	5080.	2019.3	2.4	-0.3	0.0	97.06	5.00
4.640	6090.	2020.2	1.0	-0.3	0.0	101.11	5.00
4.640	8620.	2022.4	2.1	-0.4	0.0	112.93	5.00
4.640	3060.	2017.3	0.0	0.4	0.0	88.96	40.00
4.640	5080.	2019.8	2.6	0.6	0.0	99.39	40.00
4.640	6090.	2020.9	1.1	0.7	0.0	103.79	40.00
4.640	8620.	2023.2	2.3	0.9	0.0	118.31	40.00
4.640	3060.	2017.7	0.0	0.4	0.0	136.02	5.00
4.640	5080.	2020.4	2.8	0.6	0.0	145.62	5.00
4.640	6090.	2021.6	1.1	0.7	0.0	149.64	5.00
4.640	8620.	2024.0	2.4	0.8	0.0	158.15	5.00
4.640	3060.	2017.7	0.0	0.0	0.0	136.07	10.00
4.640	5080.	2020.4	2.8	0.0	0.0	145.68	10.00
4.640	6090.	2021.6	1.2	0.0	0.0	149.69	10.00
4.640	8620.	2024.0	2.4	0.0	0.0	158.22	10.00
4.830	3060.	2019.4	0.0	1.7	0.0	177.38	990.00
4.830	5080.	2022.3	3.0	1.9	0.0	189.15	990.00
4.830	6090.	2023.6	1.3	2.0	0.0	194.14	990.00
4.830	8620.	2026.3	2.7	2.2	0.0	215.27	990.00
5.000	3020.	2021.4	0.0	2.0	0.0	116.67	810.00
5.000	5030.	2024.2	2.8	1.8	0.0	137.28	810.00
5.000	6030.	2025.3	1.2	1.8	0.0	146.81	810.00
5.000	8550.	2027.9	2.6	1.7	0.0	171.65	810.00
5.000	3020.	2021.7	0.0	0.3	0.0	118.59	40.00
5.000	5030.	2024.4	2.7	0.3	0.0	139.39	40.00
5.000	6030.	2025.6	1.2	0.2	0.0	148.71	40.00
5.000	8550.	2028.1	2.6	0.2	0.0	174.24	40.00
5.000	3020.	2021.7	0.0	-0.0	0.0	84.52	5.00
5.000	5030.	2024.3	2.6	-0.1	0.0	92.71	5.00
5.000	6030.	2025.4	1.1	-0.2	0.0	96.23	5.00
5.000	8550.	2027.9	2.5	-0.3	0.0	103.94	5.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
5.000	3020.	2021.8	0.0	0.1	0.0	84.98	30.00
5.000	5030.	2024.5	2.7	0.2	0.0	93.37	30.00
5.000	6030.	2025.7	1.1	0.2	0.0	96.96	30.00
5.000	8550.	2028.2	2.5	0.3	0.0	104.88	30.00
5.000	3020.	2021.9	0.0	0.1	0.0	89.29	5.00
5.000	5030.	2024.9	3.0	0.4	0.0	98.63	5.00
5.000	6030.	2026.2	1.3	0.6	0.0	102.73	5.00
5.000	8550.	2029.2	3.0	1.0	0.0	112.11	5.00
5.000	3020.	2021.9	0.0	-0.1	0.0	56.29	10.00
5.000	5030.	2024.7	2.8	-0.2	0.0	61.70	10.00
5.000	6030.	2026.0	1.3	-0.3	0.0	71.38	10.00
5.000	8550.	2028.9	2.9	-0.3	0.0	136.10	10.00
5.000	3020.	2023.1	0.0	1.2	0.0	128.59	20.00
5.000	5030.	2027.3	4.2	2.6	0.0	166.66	20.00
5.000	6030.	2029.2	1.9	3.2	0.0	181.39	20.00
5.000	8550.	2033.1	3.9	4.2	0.0	208.14	20.00
5.260	2850.	2025.9	0.0	2.8	0.0	148.66	1285.00
5.260	4700.	2029.4	3.5	2.0	0.0	200.88	1285.00
5.260	5600.	2031.0	1.6	1.8	0.0	209.81	1285.00
5.260	8000.	2034.5	3.6	1.5	0.0	284.58	1285.00
5.260	2850.	2026.2	0.0	0.3	0.0	78.40	40.00
5.260	4700.	2029.7	3.5	0.4	0.0	202.95	40.00
5.260	5600.	2031.3	1.6	0.3	0.0	211.73	40.00
5.260	8000.	2034.8	3.5	0.3	0.0	293.78	40.00
5.260	2850.	2026.2	0.0	0.0	0.0	78.49	30.00
5.260	4700.	2030.0	3.8	0.3	0.0	204.56	30.00
5.260	5600.	2031.6	1.6	0.3	0.0	213.17	30.00
5.260	8000.	2034.9	3.3	0.1	0.0	296.20	30.00
5.260	2850.	2026.2	0.0	-0.1	0.0	152.46	10.00
5.260	4700.	2029.9	3.7	-0.1	0.0	203.99	10.00
5.260	5600.	2031.5	1.6	-0.1	0.0	212.61	10.00
5.260	8000.	2034.8	3.3	-0.1	0.0	293.21	10.00
5.480	2850.	2029.4	0.0	3.2	0.0	193.86	1110.00
5.480	4700.	2032.4	3.1	2.5	0.0	275.80	1110.00
5.480	5600.	2033.8	1.3	2.3	0.0	285.22	1110.00
5.480	8000.	2036.8	3.0	2.0	0.0	302.86	1110.00
*	5.480	2850.	2030.8	0.0	1.5	95.00	50.00
*	5.480	4700.	2032.3	1.5	-0.1	205.18	50.00
	5.480	5600.	2033.7	1.4	-0.0	284.51	50.00
	5.480	8000.	2036.9	3.2	0.1	302.98	50.00
5.480	2850.	2032.5	0.0	1.7	0.0	275.93	25.00
5.480	4700.	2034.1	1.6	1.8	0.0	287.20	25.00
5.480	5600.	2034.8	0.7	1.1	0.0	291.11	25.00
5.480	8000.	2037.3	2.5	0.4	0.0	305.70	25.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
5.830	2810.	2040.5	0.0	8.0	0.0	201.96	1775.00	
5.830	4620.	2042.5	2.0	8.4	0.0	257.27	1775.00	
5.830	5520.	2043.3	0.8	8.5	0.0	322.37	1775.00	
5.830	7840.	2044.7	1.4	7.4	0.0	377.66	1775.00	
6.180	2800.	2049.5	0.0	9.0	0.0	127.44	1850.00	
6.180	4580.	2051.6	2.1	9.1	0.0	134.65	1850.00	
6.180	5480.	2052.4	0.8	9.1	0.0	136.70	1850.00	
6.180	7760.	2054.4	1.9	9.7	0.0	164.84	1850.00	
*	6.420	2780.	2055.7	0.0	6.3	0.0	156.26	1250.00
	6.420	4540.	2057.8	2.1	6.2	0.0	279.77	1250.00
	6.420	5450.	2058.7	0.9	6.3	0.0	322.99	1250.00
	6.420	7690.	2060.8	2.1	6.5	0.0	385.62	1250.00
	6.800	2750.	2071.2	0.0	15.5	0.0	176.06	1960.00
	6.800	4500.	2072.7	1.5	14.9	0.0	209.24	1960.00
	6.800	5400.	2073.2	0.5	14.5	0.0	222.95	1960.00
	6.800	7600.	2074.0	0.8	13.2	0.0	239.46	1960.00
	6.800	2750.	2071.5	0.0	0.3	0.0	183.48	30.00
	6.800	4500.	2073.1	1.7	0.5	0.0	221.54	30.00
	6.800	5400.	2073.8	0.6	0.6	0.0	236.93	30.00
	6.800	7600.	2075.2	1.4	1.2	0.0	254.60	30.00
	6.800	2750.	2071.5	0.0	0.0	0.0	183.75	40.00
	6.800	4500.	2073.1	1.7	0.0	0.0	221.56	40.00
	6.800	5400.	2073.8	0.7	0.0	0.0	237.23	40.00
	6.800	7600.	2075.2	1.4	0.0	0.0	254.80	40.00
	6.800	2750.	2071.5	0.0	0.1	0.0	185.85	10.00
	6.800	4500.	2073.2	1.7	0.1	0.0	223.99	10.00
	6.800	5400.	2073.9	0.7	0.1	0.0	238.55	10.00
	6.800	7600.	2075.4	1.5	0.1	0.0	256.42	10.00

SUMMARY OF ERRORS

CAUTION SECNO= 2.250 PROFILE= 4 HYDRAULIC JUMP D.S.

CAUTION SECNO= 4.530 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 4.530 PROFILE= 1
PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 4.530 PROFILE= 1
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 4.530 PROFILE= 2 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 4.530 PROFILE= 2
PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 4.530 PROFILE= 2
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 4.530 PROFILE= 3 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 4.530 PROFILE= 3
PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 4.530 PROFILE= 3
20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 4.530 PROFILE= 4 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 4.530 PROFILE= 4
PROBABLE MINIMUM SPECIFIC ENERGY

REEMS CREEK 8-77 SFA

BUNCOMBE CO NC FIA

500 YEAR FLOOD 100 YEAR FLOOD 50 YEAR FLOOD 10 YEAR FLOOD

MILE	Q	ELEV	Q	ELEV	Q	ELEV	Q	ELEV
1.280	9610.	1912.36	6880.	1910.32	5680.	1909.32	3440.	1906.98
1.740	9560.	1925.71	6820.	1923.60	5640.	1922.52	3410.	1920.07
2.090	9500.	1936.32	6800.	1934.50	5600.	1933.60	3400.	1931.58
2.250	9160.	1941.18	6480.	1939.80	5370.	1939.07	3290.	1937.34
2.250	9160.	1944.93	6480.	1943.40	5370.	1942.25	3290.	1938.07
2.370	9160.	1948.43	6480.	1946.31	5370.	1945.18	3290.	1942.76
2.370	9160.	1951.21	6480.	1947.80	5370.	1946.52	3290.	1943.73
2.450	9160.	1951.19	6480.	1947.94	5370.	1946.82	3290.	1944.64
2.670	9070.	1955.34	6400.	1953.43	5320.	1952.41	3240.	1949.64
3.130	8960.	1967.17	6330.	1965.09	5260.	1964.10	3200.	1961.76
3.640	8840.	1979.53	6250.	1977.74	5200.	1976.90	3160.	1974.80
4.050	8760.	1991.70	6190.	1989.73	5150.	1988.74	3110.	1986.20
4.050	8760.	1992.64	6190.	1990.46	5150.	1989.41	3110.	1986.76
4.300	8700.	1998.23	6150.	1995.57	5120.	1994.32	3090.	1991.34
4.530	8700.	2001.46	6150.	1998.94	5120.	1997.79	3090.	1995.16
4.530	8700.	2019.84	6150.	2018.30	5120.	2017.53	3090.	2015.60
4.640	8620.	2022.58	6090.	2020.42	5080.	2019.40	3060.	2016.96
4.640	8620.	2024.04	6090.	2021.60	5080.	2020.45	3060.	2017.70
4.830	8620.	2026.29	6090.	2023.58	5080.	2022.33	3060.	2019.36
5.000	8550.	2027.94	6030.	2025.34	5030.	2024.15	3020.	2021.39
5.000	8550.	2033.06	6030.	2029.18	5030.	2027.32	3020.	2023.07
5.260	8000.	2034.54	5600.	2030.96	4700.	2029.35	2850.	2025.88
5.260	8000.	2034.82	5600.	2031.47	4700.	2029.91	2850.	2026.16
5.480	8000.	2036.82	5600.	2033.77	4700.	2032.45	2850.	2029.36
5.480	8000.	2037.31	5600.	2034.79	4700.	2034.12	2850.	2032.47
5.830	7840.	2044.73	5520.	2043.33	4620.	2042.52	2810.	2040.48
6.180	7760.	2054.38	5480.	2052.44	4580.	2051.59	2800.	2049.46
6.420	7690.	2060.84	5450.	2058.71	4540.	2057.70	2790.	2055.73

6.800	7600.	2073.99	5400.	2073.20	4500.	2072.67	2750.	2071.20
6.800	7600.	2075.37	5400.	2073.92	4500.	2073.24	2750.	2071.54

 HEC2 RELEASE DATED NOV 76 UPDATED AUG8:39
 ERROR CORR - 01,02
 MODIFICATION - 50,51,52,53

F1 BUNCOMBE CO NC FIA
 F2 100 YEAR FLOOD
 F3 REEMS CREEK 12-77

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	4.	0.	0.	0.0	0.	0.0	0.	1910.30	0.0

J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	0.	0.	-1.	0.	0.	0.0	0.0	0.	0.	15.

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

	110.00	0.0	200.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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NC	0.150	0.070	0.055	0.1	0.5					
QT	6.	3440.	5680.	6880.	9610.	6880.	6880.	0.	0.	0
	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	175.00	290.00

X1	1.28	15.	250.	280.	0.	0.	0.	0.0	0.0	0.
GR	1925.5	0.	1915.5	50.	1905.5	120.	1905.5	150.	1905.6	160.
GR	1904.9	215.	1902.6	235.	1898.0	250.	1897.5	250.	1896.8	260.
GR	1897.0	270.	1897.0	280.	1898.0	280.	1902.2	290.	1926.5	321.
NC	0.100	0.120	0.055	0.1	0.5					
QT	6.	3410.	5640.	6820.	9560.	6820.	6820.	0.	0.	0
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	65.00	155.00

X1	1.74	14.	100.	135.	2500.	2500.	2500.	0.0	0.0	0.
GR	1932.0	20.	1926.0	37.	1923.0	40.	1918.5	65.	1915.0	92.
GR	1912.0	100.	1911.1	100.	1910.7	110.	1910.8	120.	1910.9	130.
GR	1912.0	135.	1914.0	137.	1918.5	160.	1931.1	185.	0.0	0.
NC	0.130	0.070	0.055	0.1	0.5					
QT	6.	3400.	5600.	6800.	9500.	6800.	6800.	0.	0.	0
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	65.00	155.00

X1	2.09	19.	68.	100.	1850.	1850.	1850.	0.0	0.0	0.
GR	1949.0	25.	1934.0	55.	1933.3	60.	1924.6	68.	1923.2	75.
GR	1922.4	92.	1924.9	100.	1924.6	100.	1927.4	102.	1928.9	112.
GR	1927.6	116.	1927.5	126.	1928.6	130.	1930.0	185.	1930.6	200.
GR	1934.0	258.	1938.9	290.	1943.9	315.	1947.5	341.	0.0	0.
	0.070	0.070	0.055	0.1	0.5					
QT	6.	3290.	5370.	6480.	9160.	6480.	6480.	0.	0.	0
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	125.00	210.00

X1	2.25	16.	171.	199.	790.	790.	790.	0.0	0.0	0.
GR	1952.5	20.	1947.3	61.	1939.9	100.	1934.9	160.	1929.5	171.
GR	1922.0	171.	1922.0	190.	1927.0	190.	1922.0	190.	1922.5	190.

GR	1947.2	273.	0.0	0.	0.0	0.	0.0	0.	0.0	272.
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	125.00	210.00

X1	2.25	0.	0.	0.	30.	30.	30.	0.0	0.0	0.
SB	1.25	1.60	3.00	0.	35.00	1.00	437.50	0.0	1927.8	1927.8
L	0.120	0.120	0.055	0.1	0.5					
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	125.00	210.00

X1	2.25	0.	0.	0.	30.	30.	30.	0.0	0.0	0.
X2	0.	0.0	1.	1940.8	1942.0	0.0	0.	0.0	0.0	0.
BT	9.0	20.0	1952.5	0.0	100.0	1942.0	0.0	155.0	1942.3	0.0
BT	155.0	1942.9	1940.8	200.0	1942.5	1940.4	200.0	1942.4	0.0	273.0
BT	1944.5	0.0	273.0	1945.6	0.0	285.0	1952.3	0.0	0.0	0.0
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	125.00	210.00

X1	2.25	0.	0.	0.	10.	10.	10.	0.0	0.0	0.
NC	0.120	0.120	0.050	0.3	0.8					
QT	6.	3290.	5370.	6480.	9160.	6480.	6480.	0.	0.	0
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	115.00	270.00

X1	2.37	18.	165.	200.	720.	720.	720.	0.0	0.0	0.
GR	1958.0	20.	1947.5	50.	1941.9	100.	1938.2	160.	1935.5	165.
GR	1934.2	165.	1934.0	200.	1935.0	200.	1937.6	205.	1940.5	240.
GR	1940.8	260.	1940.5	300.	1943.8	375.	1945.8	390.	1949.9	406.
GR	1949.2	416.	1951.5	426.	1958.0	440.	0.0	0.	0.0	0.
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	115.00	270.00

X1	2.37	15.	165.	200.	40.	40.	40.	0.0	0.0	0.
GR	1958.0	20.	1958.0	125.	1940.3	125.	1938.2	160.	1935.5	165.
GR	1934.2	165.	1934.0	200.	1935.0	200.	1937.6	205.	1940.5	240.
GR	1960.0	240.	1960.0	300.	1960.0	375.	1960.0	390.	1960.0	406.
SB	1.25	1.60	3.00	0.	38.00	4.00	1200.00	2.50	1933.6	1933.6
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	115.00	270.00

X1	2.37	0.	0.	0.	30.	30.	30.	0.0	0.0	0.
X2	0.	0.0	1.	1949.7	1949.8	0.0	0.	0.0	0.0	0.
BT	8.0	50.0	1948.8	0.0	100.0	1949.5	0.0	150.0	1950.3	0.0
BT	150.0	1951.9	1946.5	278.0	1954.5	1949.6	278.0	1952.6	0.0	400.0
BT	1956.0	0.0	450.0	1958.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.120	0.070	0.050	0.1	0.5					
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	115.00	270.00

X1	2.37	18.	165.	200.	10.	10.	10.	0.0	0.0	0.
GR	1958.0	20.	1947.5	50.	1941.9	100.	1938.2	160.	1935.5	165.
GR	1934.2	165.	1934.0	200.	1935.0	200.	1937.6	205.	1940.5	240.
GR	1940.8	260.	1940.5	300.	1943.8	375.	1945.8	390.	1949.9	406.
GR	1949.2	416.	1951.5	426.	1958.0	440.	0.0	0.	0.0	0.
NC	0.120	0.070	0.050	0.1	0.5					
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	250.00	310.00

X1	2.45	15.	267.	300.	460.	460.	460.	0.0	-5.00	0.
GR	1961.2	25.	1957.6	40.	1956.1	60.	1951.6	200.	1950.8	233.
GR	1951.8	246.	1941.1	267.	1940.2	267.	1940.1	285.	1940.2	300.
GR	1941.0	300.	1949.3	317.	1951.1	335.	1956.2	345.	1961.1	350.
NC	0.120	0.090	0.050	0.1	0.5					
QT	6.	3240.	5320.	6400.	9070.	6400.	6400.	0.	0.	0
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	250.00	310.00

X1	2.67	0.	0.	0.	1000.	1000.	1000.	0.0	5.00	0.
NC	0.120	0.090	0.050	0.1	0.5					
QT	6.	3200.	5260.	6330.	8960.	6330.	6330.	0.	0.	0.
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	90.00	160.00

X1	3.13	17.	100.	150.	2400.	2400.	2400.	0.0	0.0	0.
GR	1976.0	45.	1965.5	77.	1962.0	87.	1955.0	100.	1954.5	100.
GR	1954.1	110.	1954.2	120.	1954.1	126.	1954.1	138.	1954.3	150.
GR	1954.9	150.	1958.7	154.	1961.9	200.	1963.8	220.	1965.5	230.
GR	1970.5	245.	1975.5	255.	0.0	0.	0.0	0.	0.0	0.
NC	0.100	0.080	0.050	0.1	0.5					
QT	6.	3160.	5200.	6250.	8840.	6250.	6250.	0.	0.	0.
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	210.00	300.00

X1	3.64	15.	250.	290.	2700.	2700.	2700.	0.0	0.0	0.
GR	1987.1	20.	1980.0	70.	1977.0	100.	1975.1	150.	1974.8	200.
GR	1974.9	230.	1967.2	250.	1966.6	250.	1966.4	260.	1966.6	270.
GR	1966.2	280.	1966.6	290.	1967.1	290.	1980.0	315.	1987.0	326.
NC	0.150	0.150	0.050	0.1	0.5					
QT	6.	3110.	5150.	6190.	8760.	6190.	6190.	0.	0.	0.
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	150.00	215.00

X1	4.05	21.	170.	200.	2140.	2140.	2140.	0.0	0.0	0.
GR	2010.0	95.	1990.0	135.	1988.0	140.	1982.2	155.	1979.7	167.
GR	1978.0	170.	1977.0	170.	1976.7	175.	1976.7	185.	1977.0	194.
GR	1977.7	200.	1989.0	207.	1981.2	212.	1984.7	218.	1985.2	236.
GR	1985.2	251.	1985.8	253.	1989.3	257.	1991.4	275.	1995.0	280.
GR	2010.0	296.	0.0	0.	0.0	0.	0.0	0.	0.0	0.
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	150.00	215.00

X1	4.05	0.	0.	0.	20.	20.	20.	0.0	0.0	0.
X4	6.	2010.0	136.	2010.0	139.	2010.0	208.	2010.0	211.	2010.0
X4	276.	2010.0	279.	0.0	0.	0.0	0.	0.0	0.	0.0
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	150.00	215.00

X1	4.05	0.	0.	0.	20.	20.	20.	0.0	0.0	0.
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	150.00	215.00

X1	4.05	21.	170.	200.	20.	20.	20.	0.0	0.0	0.
GR	2010.0	95.	1990.0	135.	1988.0	140.	1982.2	155.	1979.7	167.
GR	1978.0	170.	1977.0	170.	1976.7	175.	1976.7	185.	1977.0	194.
GR	1977.7	200.	1989.0	207.	1981.2	212.	1984.7	218.	1985.2	236.
GR	1985.2	251.	1985.8	253.	1989.3	257.	1991.4	275.	1995.0	280.
GR	2010.0	296.	0.0	0.	0.0	0.	0.0	0.	0.0	0.
NC	0.150	0.150	0.050	0.1	0.5					
QT	6.	3090.	5120.	6150.	8700.	6150.	6150.	0.	0.	0.
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	60.00	180.00

X1	4.30	18.	110.	150.	1280.	1280.	1280.	0.0	0.0	0.
GR	2006.9	12.	1989.6	50.	1987.4	58.	1987.8	105.	1982.0	110.
GR	1980.6	110.	1980.7	130.	1981.3	150.	1982.0	150.	1987.1	156.
GR	1987.9	190.	1991.0	195.	1995.0	209.	2002.9	224.	2004.1	233.
GR	2005.0	240.	2004.5	250.	2007.0	260.	0.0	0.	0.0	0.
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	70.00	195.00

X1	4.50	0.	0.	0.	1100.	1100.	1100.	0.0	0.0	0.
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								8.11	70.00	195.00
X1	4.53	12.	120.	145.	20.	20.	20.	0.0	0.0	0.
GR	2019.0	45.	2014.3	67.	2014.1	68.	2010.5	86.	2010.5	120.
GR	2006.5	120.	2006.5	145.	2010.5	145.	2010.5	165.	2014.5	190.
GR	2014.5	191.	2019.2	220.	0.0	0.	0.0	0.	0.0	0.
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	185.00	290.00
X1	4.53	13.	232.	264.	20.	20.	20.	0.0	-0.60	0.
GR	2031.6	155.	2009.6	200.	2010.1	226.	2008.0	230.	2006.9	232.
GR	2005.7	239.	2005.9	260.	2006.9	264.	2011.8	275.	2012.5	312.
GR	2029.8	337.	2032.5	352.	2032.9	365.	0.0	0.	0.0	0.
NC	0.150	0.150	0.050	0.1	0.5					
QT	6.	3060.	5080.	6090.	8620.	6090.	6090.	0.	0.	0
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	185.00	290.00
X1	4.64	0.	0.	0.	540.	540.	540.	0.0	0.60	0.
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	185.00	290.00
X1	4.64	0.	0.	0.	40.	40.	40.	0.0	0.0	0.
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	165.00	275.00
X1	4.64	29.	229.	263.	5.	5.	5.	0.0	0.0	0.
BT	5.0	0.0	2035.2	0.0	144.0	2031.9	0.0	144.0	2035.1	2027.5
BT	300.0	2032.0	2025.2	300.0	2028.5	0.0	0.0	0.0	0.0	0.0
GR	2035.2	0.	2031.9	144.	2027.5	146.	2023.2	146.	2012.6	179.
GR	2011.9	184.	2026.9	184.	2026.9	194.	2011.5	194.	2010.0	200.
GR	2009.5	209.	2010.4	219.	2008.5	229.	2026.2	229.	2026.2	239.
GR	2007.9	239.	2006.4	240.	2006.4	241.	2006.3	245.	2006.0	255.
GR	2006.2	263.	2010.0	267.	2010.8	269.	2025.6	269.	2025.5	279.
GR	2012.5	279.	2021.0	287.	2024.7	299.	2028.5	300.	0.0	0.
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	165.00	275.00
X1	4.64	0.	0.	0.	40.	40.	40.	0.0	0.0	0.
X2	0.	0.0	0.	0.0	0.0	0.0	1.	0.0	0.0	0.
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	185.00	290.00
X1	4.64	13.	232.	264.	5.	5.	5.	0.0	0.0	0.
GR	2031.6	155.	2009.6	200.	2010.0	226.	2008.0	230.	2006.9	232.
GR	2005.7	239.	2005.9	260.	2006.9	264.	2011.8	275.	2012.5	312.
GR	2029.8	337.	2032.5	352.	2032.9	365.	0.0	0.	0.0	0.
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	185.00	290.00
X1	4.64	0.	0.	0.	10.	10.	10.	0.0	0.0	0.
NC	0.120	0.130	0.050	0.1	0.5					
QT	6.	3060.	5080.	6090.	8620.	6090.	6090.	0.	0.	0
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	110.00	210.00
X1	4.83	15.	172.	200.	990.	990.	990.	0.0	0.0	0.
GR	2029.7	25.	2017.2	52.	2014.9	70.	2014.9	100.	2014.8	159.
GR	2008.8	172.	2008.3	172.	2008.0	194.	2008.5	200.	2008.7	200.
GR	2014.3	204.	2015.1	217.	2024.5	234.	2025.8	247.	2029.6	252.
NC	0.100	0.100	0.040	0.3	0.8					
QT	6.	3020.	5030.	6030.	8550.	6030.	6030.	0.	0.	0
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	350.00	450.00

GR	2035.5	315.	2019.4	350.	2018.5	362.	2014.8	375.	2012.4	380.
GR	2011.4	380.	2010.9	385.	2011.5	400.	2011.9	400.	2017.0	410.
GR	2017.5	417.	2018.1	450.	2022.1	465.	2028.1	500.	2028.1	501.
GR	2026.4	501.	2026.4	505.	2028.1	505.	2035.5	540.	0.0	0.
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	350.00	450.00
X1	5.00	0.	0.	0.	40.	40.	40.	0.0	0.0	0.
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	270.00	370.00
X1	5.00	26.	307.	330.	5.	5.	5.	0.0	0.0	0.
BT	8.0	0.0	2041.4	0.0	100.0	2040.0	0.0	200.0	2039.0	0.0
BT	250.0	2039.2	0.0	250.0	2041.0	2036.0	400.0	2044.2	2039.2	400.0
BT	2042.5	0.0	465.0	2045.0	0.0	0.0	0.0	0.0	0.0	0.0
GR	2042.4	0.	2040.0	100.	2039.0	200.	2039.2	250.	2036.0	250.
GR	2034.0	259.	2020.0	280.	2016.9	298.	2037.0	298.	2037.1	300.
GR	2016.5	300.	2015.3	306.	2011.0	307.	2010.4	308.	2010.2	323.
GR	2010.2	330.	2013.1	330.	2017.3	348.	2038.1	348.	2038.2	350.
GR	2017.5	350.	2020.5	364.	2036.9	391.	2039.2	400.	2042.5	400.
GR	2045.0	465.	0.0	0.	0.0	0.	0.0	0.	0.0	0.
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	270.00	370.00
X1	5.00	0.	0.	0.	30.	30.	30.	0.0	0.0	0.
X2	0.	0.0	0.	0.0	0.0	0.0	1.	0.0	0.0	0.
NC	0.170	0.100	0.040	0.0	0.0					
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	270.00	370.00
X1	5.00	18.	307.	330.	5.	5.	5.	0.0	0.0	0.
GR	2042.4	0.	2040.0	100.	2039.0	200.	2039.2	250.	2036.0	250.
GR	2034.0	259.	2020.0	280.	2015.3	306.	2011.0	307.	2010.4	308.
GR	2010.2	323.	2010.2	330.	2013.1	330.	2020.5	364.	2036.9	391.
GR	2039.2	400.	2042.5	400.	2045.0	465.	0.0	0.	0.0	0.
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	270.00	370.00
X1	5.00	15.	307.	330.	10.	10.	10.	0.0	0.0	0.
GR	2042.4	0.	2040.0	100.	2039.0	200.	2039.2	250.	2036.0	250.
GR	2034.0	259.	2020.0	280.	2015.3	306.	2011.0	307.	2010.4	308.
GR	2010.2	323.	2010.2	330.	2013.1	330.	2025.6	335.	2030.4	435.
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	350.00	450.00
X1	5.00	19.	380.	400.	20.	20.	20.	0.0	0.0	0.
GR	2035.5	315.	2019.4	350.	2018.5	362.	2014.8	375.	2012.4	380.
GR	2011.4	380.	2010.9	385.	2011.5	400.	2011.9	400.	2017.0	410.
GR	2017.5	417.	2018.1	450.	2022.1	465.	2028.1	500.	2028.1	501.
GR	2026.4	501.	2026.4	505.	2028.1	505.	2035.5	540.	0.0	0.
NC	0.150	0.100	0.050	0.0	0.0					
QT	6.	2850.	4700.	5600.	8000.	5600.	5600.	0.	0.	0
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	225.00	350.00
X1	5.26	25.	294.	331.	1285.	1285.	1285.	0.0	0.0	0.
GR	2037.2	107.	2032.5	150.	2028.0	165.	2028.1	180.	2025.0	215.
GR	2024.9	249.	2025.2	276.	2025.2	280.	2025.6	285.	2022.9	290.
GR	2015.5	294.	2014.5	298.	2014.5	309.	2014.4	316.	2014.9	321.
GR	2015.1	325.	2015.2	331.	2019.3	333.	2020.8	337.	2021.5	337.
GR	2024.2	350.	2031.9	367.	2033.8	400.	2035.0	426.	2037.2	435.
NC	0.150	0.100	0.050	0.1	0.5					
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	225.00	350.00

X3	10.	0.0	0.0	0.	0.0	0.	0.0	2027.0	0.0	0.
GR	2037.2	107.	2032.5	150.	2028.0	165.	2028.1	180.	2025.0	215.
GR	2024.9	249.	2025.2	276.	2025.2	280.	2025.6	285.	2022.9	290.
GR	2015.5	294.	2014.5	298.	2014.5	309.	2014.4	316.	2014.9	321.
GR	2015.1	325.	2015.2	331.	2019.3	333.	2020.8	337.	2021.5	337.
GR	2024.2	350.	2031.9	367.	2033.8	400.	2035.0	426.	2037.2	435.
	1.25	1.60	3.00	0.	38.40	2.00	800.00	1.10	2014.4	2014.4
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	225.00	350.00

X1	5.26	25.	276.	350.	30.	30.	30.	0.0	0.0	0.
X2	0.	0.0	1.	2029.5	2028.0	0.0	0.	0.0	0.0	0.
X3	10.	0.0	0.0	0.	0.0	0.	0.0	2028.0	0.0	0.
BT	12.0	107.0	2037.2	0.0	150.0	2032.5	0.0	165.0	2028.0	0.0
BT	180.0	2028.1	0.0	275.0	2030.0	0.0	275.0	2030.8	2028.0	350.0
BT	2032.3	2029.5	350.0	2031.6	0.0	367.0	2032.1	0.0	400.0	2033.9
BT	0.0	426.0	2035.9	0.0	435.0	2037.2	0.0	0.0	0.0	0.0
GR	2037.2	107.	2032.5	150.	2028.0	165.	2028.1	180.	2025.0	215.
GR	2024.9	249.	2025.2	276.	2025.2	280.	2025.6	285.	2022.9	290.
GR	2015.5	294.	2014.5	298.	2014.5	309.	2014.4	316.	2014.9	321.
GR	2015.1	325.	2015.2	331.	2019.3	333.	2020.8	337.	2021.5	337.
GR	2024.2	350.	2031.9	367.	2033.8	400.	2035.0	426.	2037.2	435.
NC	0.150	0.150	0.055	0.1	0.5					
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	225.00	350.00

X1	5.26	25.	294.	331.	10.	10.	10.	0.0	0.0	0.
GR	2037.2	107.	2032.5	150.	2028.0	165.	2028.1	180.	2025.0	215.
GR	2024.9	249.	2025.2	276.	2025.2	280.	2025.6	285.	2022.9	290.
GR	2015.5	294.	2014.5	298.	2014.5	309.	2014.4	316.	2014.9	321.
GR	2015.1	325.	2015.2	331.	2019.3	333.	2020.8	337.	2021.5	337.
GR	2024.2	350.	2031.9	367.	2033.8	400.	2035.0	426.	2037.2	435.
	0.150	0.150	0.065	0.1	0.5					
QT	6.	2850.	4700.	5600.	8000.	5600.	5600.	0.	0.	0
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	140.00	290.00

X1	5.48	15.	247.	275.	1110.	1110.	1110.	0.0	0.0	0.
GR	2045.0	38.	2040.0	50.	2033.0	70.	2030.5	85.	2027.5	243.
GR	2019.0	247.	2018.0	251.	2018.0	262.	2019.0	275.	2024.5	285.
GR	2025.8	325.	2030.7	344.	2042.3	378.	2042.9	384.	2044.8	392.
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	140.00	290.00

X1	5.48	11.	143.	238.	50.	50.	50.	0.0	0.0	0.
GR	2045.0	38.	2040.0	50.	2033.0	70.	2032.7	143.	2027.8	143.
GR	2027.8	238.	2031.6	238.	2031.6	346.	2042.3	378.	2042.9	384.
GR	2044.8	392.	0.0	0.	0.0	0.	0.0	0.	0.0	0.
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	140.00	290.00

X1	5.48	24.	250.	276.	25.	25.	25.	0.0	0.0	0.
GR	2045.0	38.	2040.0	50.	2033.0	70.	2029.0	95.	2026.0	100.
GR	2025.6	118.	2028.6	134.	2029.8	147.	2024.4	153.	2023.7	163.
GR	2028.5	170.	2027.7	190.	2027.0	245.	2024.6	250.	2023.7	253.
GR	2023.2	258.	2023.6	266.	2025.6	276.	2028.9	280.	2030.1	284.
GR	2030.7	344.	2042.3	378.	2042.9	384.	2044.8	392.	0.0	0.
	0.150	0.120	0.050	0.1	0.5					
QT	6.	2810.	4620.	5520.	7840.	5520.	5520.	0.	0.	0
ET	0.	0.0	0.0	0.0	0.0	0.0	0.0	8.11	185.00	415.00

X1	5.83	17.	350.	374.	1775.	1775.	1775.	0.0	0.0	0.
GR	2054.3	47.	2049.2	72.	2041.6	150.	2037.9	250.	2038.6	285.
GR	2020.4	222.	2022.0	250.	2022.5	255.	2021.5	260.	2021.0	260.

 HLC2 RELEASE DATED NOV 76 UPDATED AUG9:14
 ERROR CORR - 01,02
 MODIFICATION - 50,51,52,53

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER
 INDICATES MESSAGE IN SUMMARY OF ERRORS LIST/

0
 REEMS CREEK 12-77

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR
1.280	1910.30	0.0	1911.42	214.	0.	0.	0.
1.280	1911.30	1.00	1912.72	115.	115.	175.	290.
1.740	1923.61	0.0	1924.96	131.	0.	0.	0.
1.740	1924.40	0.78	1925.80	90.	90.	65.	155.
2.090	1934.50	0.0	1935.48	207.	0.	0.	0.
2.090	1935.29	0.80	1936.85	90.	90.	65.	155.
2.250	1939.80	0.0	1941.81	141.	0.	0.	0.
2.250	1940.94	1.14	1942.80	85.	85.	125.	210.
2.250	1940.67	0.0	1942.12	147.	0.	0.	0.
2.250	1941.36	0.68	1943.04	85.	85.	125.	210.
2.250	1943.35	0.0	1944.37	166.	0.	0.	0.
2.250	1943.59	0.23	1945.13	85.	85.	125.	210.
2.250	1943.40	0.0	1944.41	166.	0.	0.	0.
2.250	1943.65	0.25	1945.18	85.	85.	125.	210.
2.370	1946.31	0.0	1946.86	331.	0.	0.	0.
2.370	1947.35	1.04	1948.13	155.	155.	115.	270.
2.370	1946.30	0.0	1947.65	115.	0.	0.	0.
2.370	1947.42	1.12	1948.49	115.	155.	115.	270.
2.370	1946.63	0.0	1947.88	115.	0.	0.	0.
2.370	1947.63	1.00	1948.65	115.	155.	115.	270.
2.370	1947.80	0.0	1948.01	349.	0.	0.	0.
2.370	1948.28	0.47	1948.73	155.	155.	115.	270.
2.450	1947.94	0.0	1949.69	180.	0.	0.	0.
2.450	1948.78	0.85	1950.82	60.	60.	250.	310.
2.670	1953.43	0.0	1955.04	197.	0.	0.	0.
2.670	1954.23	0.79	1956.17	60.	60.	250.	310.

SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR
3.130	1965.09	0.0	1966.27	149.	0.	0.	0.
3.130	1966.00	0.90	1967.44	70.	70.	90.	160.
3.640	1977.74	0.0	1979.08	218.	0.	0.	0.
3.640	1978.45	0.71	1979.99	90.	90.	210.	300.
4.050	1989.73	0.0	1991.83	125.	0.	0.	0.
4.050	1990.32	0.59	1992.81	65.	65.	150.	215.
4.050	1989.92	0.0	1991.97	118.	0.	0.	0.
4.050	1990.46	0.54	1992.94	60.	65.	150.	215.
4.050	1990.17	0.0	1992.10	120.	0.	0.	0.
4.050	1990.79	0.62	1993.09	65.	65.	150.	215.
4.050	1990.46	0.0	1992.22	133.	0.	0.	0.
4.050	1990.98	0.53	1993.21	65.	65.	150.	215.
4.300	1995.57	0.0	1996.28	173.	0.	0.	0.
4.300	1996.50	0.93	1997.28	120.	120.	60.	180.
4.530	1998.94	0.0	2000.58	155.	0.	0.	0.
4.530	1999.60	0.66	2001.15	125.	125.	70.	195.
* 4.530	2016.41	0.0	2019.19	146.	0.	0.	0.
* 4.530	2016.33	-0.08	2019.28	125.	125.	70.	195.
4.530	2018.30	0.0	2019.51	140.	0.	0.	0.
4.530	2018.04	-0.26	2019.60	105.	105.	185.	290.
4.640	2020.42	0.0	2021.27	146.	0.	0.	0.
4.640	2020.63	0.21	2021.68	105.	105.	185.	290.
4.640	2020.55	0.0	2021.38	146.	0.	0.	0.
4.640	2020.77	0.22	2021.80	105.	105.	185.	290.
4.640	2020.25	0.0	2021.72	101.	0.	0.	0.
4.640	2020.60	0.35	2022.01	84.	110.	165.	275.
4.640	2020.91	0.0	2022.18	104.	0.	0.	0.
4.640	2021.19	0.28	2022.45	84.	110.	165.	275.
4.640	2021.58	0.0	2022.26	150.	0.	0.	0.
4.640	2021.62	0.04	2022.51	105.	105.	185.	290.
4.640	2021.60	0.0	2022.28	150.	0.	0.	0.
4.640	2021.64	0.04	2022.53	105.	105.	185.	290.
4.830	2023.58	0.0	2024.10	194.	0.	0.	0.
4.830	2024.01	0.43	2025.04	100.	100.	110.	210.
5.000	2025.34	0.0	2026.68	147.	0.	0.	0.
5.000	2026.27	0.93	2027.66	100.	100.	350.	450.
5.000	2025.58	0.0	2026.84	149.	0.	0.	0.
5.000	2026.45	0.87	2027.79	100.	100.	350.	450.

SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR
5.000	2025.42	0.0	2027.56	96.	0.	0.	0.
5.000	2026.37	0.95	2028.18	96.	100.	270.	370.
5.000	2025.65	0.0	2027.70	97.	0.	0.	0.
5.000	2026.52	0.87	2028.29	96.	100.	270.	370.
5.000	2026.21	0.0	2027.84	103.	0.	0.	0.
5.000	2027.00	0.78	2028.41	100.	100.	270.	370.
5.000	2025.96	0.0	2029.06	71.	0.	0.	0.
5.000	2026.77	0.81	2029.49	89.	100.	270.	370.
5.000	2029.18	0.0	2029.84	181.	0.	0.	0.
5.000	2029.00	-0.19	2030.04	100.	100.	350.	450.
5.260	2030.96	0.0	2031.60	210.	0.	0.	0.
5.260	2031.52	0.56	2032.24	125.	125.	225.	350.
5.260	2031.31	0.0	2031.68	212.	0.	0.	0.
5.260	2031.93	0.62	2032.33	125.	125.	225.	350.
5.260	2031.57	0.0	2031.92	213.	0.	0.	0.
5.260	2032.35	0.78	2032.72	125.	125.	225.	350.
5.260	2031.47	0.0	2032.04	213.	0.	0.	0.
5.260	2032.22	0.75	2032.88	125.	125.	225.	350.
5.480	2033.77	0.0	2034.28	285.	0.	0.	0.
5.480	2034.59	0.82	2035.40	150.	150.	140.	290.
5.480	2033.74	0.0	2034.86	285.	0.	0.	0.
5.480	2034.82	1.08	2035.72	150.	150.	140.	290.
5.480	2034.79	0.0	2035.11	291.	0.	0.	0.
5.480	2035.26	0.47	2035.94	150.	150.	140.	290.
5.830	2043.33	0.0	2044.73	322.	0.	0.	0.
5.830	2044.43	1.10	2045.44	230.	230.	185.	415.
6.180	2052.44	0.0	2053.63	137.	0.	0.	0.
6.180	2052.30	-0.14	2053.83	90.	90.	50.	140.
6.420	2058.71	0.0	2059.91	323.	0.	0.	0.
6.420	2059.47	0.76	2061.08	185.	185.	175.	360.
6.800	2073.20	0.0	2074.92	223.	0.	0.	0.
6.800	2073.78	0.58	2075.44	135.	135.	215.	350.
6.800	2073.79	0.0	2075.16	237.	0.	0.	0.
6.800	2074.15	0.36	2075.65	135.	135.	215.	350.
6.800	2073.80	0.0	2075.16	237.	0.	0.	0.
6.800	2074.60	0.80	2075.93	135.	135.	215.	350.
6.800	2073.92	0.0	2075.22	239.	0.	0.	0.
6.800	2074.68	0.76	2075.98	135.	135.	215.	350.

FLOODWAY DATA, REEMS CREEK 12-77
 PROFILE NO. 2

STATION	WIDTH (FT)	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WATER SURFACE ELEVATION WITHOUT FLOODWAY	DIFFERENCE
1.280	115.	1102.	6.2	1911.3	1910.3	1.0
1.740	90.	944.	7.2	1924.4	1923.6	0.8
2.090	90.	796.	8.5	1935.3	1934.5	0.8
2.250	85.	705.	9.2	1940.8	1939.8	1.0
2.250	85.	741.	8.7	1941.4	1940.7	0.7
2.250	85.	930.	7.6	1943.6	1943.4	0.2
2.250	85.	935.	6.9	1943.7	1943.4	0.2
2.370	155.	1411.	4.6	1947.3	1946.3	1.0
2.370	155.	1154.	5.6	1947.4	1946.3	1.1
2.370	155.	1178.	5.5	1947.6	1946.6	1.0
2.370	155.	1555.	4.2	1948.3	1947.8	0.5
2.450	60.	695.	9.3	1948.8	1947.9	0.8
2.670	60.	722.	8.9	1954.2	1953.4	0.8
3.130	70.	753.	8.4	1966.0	1965.1	0.9
3.640	90.	788.	7.9	1978.4	1977.7	0.7
4.050	65.	685.	9.0	1990.3	1989.7	0.6
4.050	65.	669.	9.3	1990.5	1989.9	0.5
4.050	65.	715.	8.7	1990.8	1990.2	0.6
4.050	65.	728.	8.5	1991.0	1990.5	0.5
4.300	120.	1376.	4.5	1996.5	1995.6	0.9
4.530	125.	946.	6.5	1999.6	1998.9	0.7
4.530	125.	732.	8.4	2016.4	2016.4	0.0
4.530	105.	977.	6.3	2018.3	2018.3	0.0
4.640	105.	1186.	5.1	2020.6	2020.4	0.2
4.640	105.	1202.	5.1	2020.8	2020.5	0.2
4.640	110.	913.	6.7	2020.6	2020.2	0.4
4.640	110.	963.	6.3	2021.2	2020.9	0.3
4.640	105.	1292.	4.7	2021.6	2021.6	0.0
4.640	105.	1294.	4.7	2021.6	2021.6	0.0
4.830	100.	1159.	5.3	2024.0	2023.6	0.4
5.000	100.	1038.	5.8	2026.3	2025.3	0.9
5.000	100.	1057.	5.7	2026.4	2025.6	0.9
5.000	100.	948.	6.4	2026.4	2025.4	1.0
5.000	100.	962.	6.3	2026.5	2025.7	0.9
5.000	100.	1053.	5.7	2027.0	2026.2	0.8
5.000	100.	715.	8.4	2026.8	2026.0	0.8
5.000	100.	1311.	4.6	2029.2	2029.2	0.0
5.260	125.	1283.	4.4	2031.5	2031.0	0.6
5.260	125.	1334.	4.2	2031.9	2031.3	0.6
5.260	125.	1387.	4.6	2032.3	2031.6	0.8
5.260	125.	1370.	4.1	2032.2	2031.5	0.8
5.480	150.	1310.	4.3	2034.6	2033.8	0.8
5.480	150.	840.	6.7	2034.8	2033.7	1.1
5.480	150.	1272.	4.4	2035.3	2034.8	0.5
5.830	230.	1413.	3.9	2044.3	2043.3	1.0
6.180	90.	807.	6.8	2052.4	2052.4	0.0
6.420	185.	1074.	5.1	2059.5	2058.7	0.8
6.800	135.	956.	5.6	2073.8	2073.2	0.6
6.800	135.	1006.	5.4	2074.2	2073.8	0.4
6.800	135.	1068.	5.1	2074.6	2073.8	0.8
6.800	135.	1078	5.0	2074.7	2073.9	0.8