

APPENDIX G: Reconstruction Data

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G.1 Virgin River Watershed Reconstruction

Watershed: Virgin River (Upper Virgin, Lower Virgin & Fort Pearce Wash)
Reconstruction type: streamflow
Gage: USGS 09415000 VIRGIN RIVER AT LITTLEFIELD
Season: Water Year
Reconstruction units: mcm & kaf

Year: Water Year
Model: letter indicating subperiod model used for each year of reconstruction (see Table A.4)
Rec (units): reconstructed flow in mcm & kaf
Lower_50: lower bound of 50% CI on reconstruction (from median(negative residuals))
Upper 50: upper bound of 50% CI on reconstruction (from median(positive residuals))
Obs: Observed flow in mcm & kaf

Year	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
1496	A	150.8	129.7	177.9		122.2	105.1	144.2	
1497	A	181.8	135.0	237.9		147.4	109.4	192.9	
1498	A	384.8	282.2	492.8		311.9	228.8	399.5	
1499	A	215.1	168.3	271.2		174.4	136.5	219.9	
1500	A	104.1	83.0	131.2		84.4	67.3	106.3	
1501	A	182.7	135.9	238.8		148.1	110.1	193.6	
1502	A	214.9	168.1	271.0		174.2	136.3	219.7	
1503	A	231.0	128.5	339.1		187.3	104.2	274.9	
1504	A	278.4	175.8	386.4		225.7	142.5	313.2	
1505	A	167.5	146.4	194.6		135.8	118.7	157.8	
1506	A	105.7	84.6	132.8		85.7	68.6	107.7	
1507	A	413.2	310.7	521.2		335.0	251.9	422.6	
1508	A	216.0	169.2	272.0		175.1	137.1	220.6	
1509	A	380.9	278.4	489.0		308.8	225.7	396.4	
1510	A	177.7	156.6	204.8		144.1	127.0	166.0	
1511	A	213.9	167.1	270.0		173.4	135.5	218.9	
1512	A	199.1	152.3	255.2		161.4	123.5	206.9	
1513	A	193.4	146.6	249.5		156.8	118.8	202.3	
1514	A	330.2	227.6	438.2		267.7	184.5	355.3	
1515	A	163.5	142.4	190.6		132.6	115.5	154.5	
1516	A	308.6	206.1	416.7		250.2	167.1	337.8	
1517	A	190.3	143.5	246.4		154.3	116.3	199.7	
1518	A	322.0	219.5	430.1		261.1	178.0	348.7	
1519	A	188.5	141.7	244.5		152.8	114.8	198.3	
1520	A	155.7	134.6	182.8		126.2	109.1	148.2	
1521	A	150.4	129.3	177.5		121.9	104.8	143.9	
1522	A	119.7	98.6	146.8		97.1	80.0	119.0	
1523	A	200.2	153.4	256.3		162.3	124.4	207.8	
1524	A	214.7	167.9	270.8		174.1	136.1	219.5	
1525	A	200.3	153.5	256.4		162.4	124.5	207.9	
1526	A	215.1	168.3	271.2		174.4	136.5	219.9	
1527	A	230.7	128.2	338.8		187.0	103.9	274.6	
1528	A	119.2	98.1	146.3		96.6	79.5	118.6	
1529	A	154.1	133.1	181.3		125.0	107.9	146.9	
1530	A	213.2	166.4	269.3		172.9	134.9	218.3	
1531	A	190.7	143.9	246.8		154.6	116.7	200.1	
1532	A	112.0	90.9	139.1		90.8	73.7	112.7	
1533	A	288.3	185.8	396.3		233.7	150.6	321.3	

Year	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
1534	A	214.2	167.4	270.3		173.6	135.7	219.1	
1535	A	304.0	201.4	412.0		246.4	163.3	334.0	
1536	A	337.9	235.4	445.9		274.0	190.8	361.5	
1537	A	200.7	153.9	256.8		162.7	124.7	208.2	
1538	A	115.3	94.2	142.4		93.5	76.4	115.5	
1539	A	214.1	167.3	270.2		173.6	135.6	219.1	
1540	A	213.8	167.0	269.9		173.3	135.4	218.8	
1541	A	212.7	165.9	268.8		172.5	134.5	218.0	
1542	A	100.0	79.0	127.2		81.1	64.0	103.1	
1543	A	277.0	174.5	385.0		224.6	141.4	312.2	
1544	A	137.6	116.5	164.7		111.5	94.5	133.5	
1545	A	206.5	159.7	262.6		167.4	129.4	212.9	
1546	A	214.8	168.0	270.8		174.1	136.2	219.6	
1547	A	188.0	141.1	244.0		152.4	114.4	197.8	
1548	A	212.4	165.6	268.5		172.2	134.3	217.7	
1549	A	350.7	248.1	458.7		284.3	201.2	371.9	
1550	A	225.7	123.1	333.7		183.0	99.8	270.5	
1551	A	184.1	137.3	240.2		149.3	111.3	194.7	
1552	A	198.6	151.8	254.7		161.0	123.1	206.5	
1553	A	316.1	213.5	424.1		256.2	173.1	343.8	
1554	A	214.3	167.5	270.4		173.8	135.8	219.2	
1555	A	216.7	169.9	272.8		175.7	137.8	221.2	
1556	A	339.7	237.2	447.7		275.4	192.3	363.0	
1557	A	190.0	143.1	246.0		154.0	116.1	199.5	
1558	A	167.6	146.5	194.7		135.9	118.8	157.9	
1559	A	194.2	147.4	250.3		157.5	119.5	202.9	
1560	A	214.7	167.9	270.7		174.0	136.1	219.5	
1561	A	222.5	120.0	330.6		180.4	97.3	268.0	
1562	A	207.4	160.6	263.5		168.1	130.2	213.6	
1563	A	162.0	140.9	189.1		131.3	114.2	153.3	
1564	A	217.9	171.1	274.0		176.7	138.7	222.2	
1565	A	198.5	151.7	254.6		160.9	123.0	206.4	
1566	A	123.6	102.5	150.7		100.2	83.1	122.2	
1567	A	188.6	141.8	244.7		152.9	114.9	198.3	
1568	A	292.6	190.1	400.6		237.2	154.1	324.8	
1569	A	214.1	167.3	270.2		173.6	135.7	219.1	
1570	A	179.9	133.1	236.0		145.9	107.9	191.3	
1571	A	169.4	148.3	196.5		137.4	120.3	159.3	
1572	A	146.9	125.8	174.0		119.1	102.0	141.1	
1573	A	183.2	136.4	239.3		148.6	110.6	194.0	
1574	A	175.2	154.2	202.4		142.1	125.0	164.1	
1575	A	203.3	156.5	259.4		164.8	126.9	210.3	
1576	A	206.6	159.8	262.7		167.5	129.6	213.0	
1577	A	215.1	168.3	271.2		174.4	136.4	219.8	
1578	A	193.5	146.7	249.6		156.9	118.9	202.3	
1579	A	159.7	138.6	186.8		129.5	112.4	151.5	
1580	A	144.2	123.1	171.3		116.9	99.8	138.9	
1581	A	216.8	170.0	272.9		175.8	137.8	221.3	
1582	A	300.2	197.7	408.2		243.4	160.3	331.0	
1583	A	179.2	132.4	235.3		145.3	107.4	190.8	
1584	A	111.1	90.0	138.2		90.1	73.0	112.1	

ear	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
1585	A	121.4	100.3	148.5		98.4	81.3	120.4	
1586	A	353.6	251.0	461.6		286.6	203.5	374.2	
1587	A	372.6	270.1	480.6		302.1	219.0	389.7	
1588	A	350.2	247.6	458.2		283.9	200.8	371.5	
1589	A	294.8	192.3	402.9		239.0	155.9	326.6	
1590	A	115.1	94.0	142.2		93.3	76.2	115.3	
1591	A	180.0	133.2	236.1		146.0	108.0	191.4	
1592	A	179.1	132.3	235.2		145.2	107.3	190.7	
1593	A	360.0	257.5	468.0		291.9	208.7	379.4	
1594	A	397.5	295.0	505.6		322.3	239.1	409.9	
1595	A	207.6	160.8	263.7		168.3	130.4	213.8	
1596	A	212.6	165.8	268.6		172.3	134.4	217.8	
1597	A	173.2	152.1	200.3		140.4	123.3	162.4	
1598	A	197.7	150.9	253.8		160.3	122.4	205.8	
1599	A	350.1	247.6	458.2		283.9	200.7	371.4	
1600	A	107.6	86.5	134.7		87.2	70.1	109.2	
1601	A	249.9	147.4	357.9		202.6	119.5	290.2	
1602	A	369.8	267.3	477.9		299.8	216.7	387.4	
1603	A	204.9	158.1	260.9		166.1	128.1	211.6	
1604	A	352.7	250.2	460.8		286.0	202.8	373.6	
1605	A	251.6	149.1	359.6		204.0	120.9	291.6	
1606	A	162.8	141.7	189.9		132.0	114.9	154.0	
1607	A	187.6	140.7	243.6		152.1	114.1	197.5	
1608	A	331.7	229.2	439.8		268.9	185.8	356.5	
1609	A	226.6	124.1	334.6		183.7	100.6	271.3	
1610	A	190.2	143.4	246.3		154.2	116.2	199.6	
1611	C	160.0	117.4	207.6		129.7	95.2	168.3	
1612	C	185.1	142.5	232.7		150.0	115.6	188.7	
1613	C	136.8	124.4	156.6		110.9	100.9	127.0	
1614	C	226.8	184.3	274.4		183.9	149.4	222.5	
1615	C	319.4	215.2	408.3		258.9	174.4	331.0	
1616	C	153.3	140.9	173.1		124.3	114.2	140.3	
1617	C	236.1	131.9	325.0		191.4	106.9	263.5	
1618	C	197.4	154.8	245.0		160.0	125.5	198.6	
1619	C	198.9	156.3	246.5		161.2	126.8	199.8	
1620	C	331.1	226.9	420.1		268.5	184.0	340.6	
1621	C	345.1	240.9	434.0		279.8	195.3	351.9	
1622	C	130.1	117.7	149.9		105.4	95.4	121.5	
1623	C	124.5	112.1	144.3		101.0	90.9	117.0	
1624	C	130.1	117.7	149.9		105.5	95.4	121.5	
1625	C	230.7	188.1	278.3		187.0	152.5	225.6	
1626	C	120.6	108.2	140.4		97.8	87.8	113.9	
1627	C	208.2	165.7	255.8		168.8	134.3	207.4	
1628	C	150.2	137.8	170.0		121.8	111.8	137.8	
1629	C	163.4	120.9	211.0		132.5	98.0	171.1	
1630	C	149.7	137.3	169.5		121.3	111.3	137.4	
1631	C	150.0	137.6	169.7		121.6	111.5	137.6	
1632	C	114.0	101.6	133.8		92.4	82.4	108.5	
1633	C	332.1	227.9	421.0		269.2	184.8	341.3	
1634	C	168.6	126.0	216.2		136.7	102.2	175.3	
1635	C	236.2	132.0	325.1		191.5	107.0	263.6	

Year	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
1636	C	206.3	163.8	253.9		167.3	132.8	205.9	
1637	C	141.1	128.7	160.8		114.4	104.3	130.4	
1638	C	138.1	125.7	157.9		112.0	101.9	128.0	
1639	C	228.5	185.9	276.1		185.2	150.7	223.8	
1640	C	454.1	349.9	543.1		368.2	283.7	440.3	
1641	C	184.0	141.5	231.7		149.2	114.7	187.8	
1642	C	197.3	154.8	244.9		160.0	125.5	198.6	
1643	C	224.0	181.5	271.7		181.6	147.1	220.2	
1644	C	175.3	132.8	223.0		142.1	107.7	180.8	
1645	C	149.7	137.3	169.5		121.4	111.3	137.4	
1646	C	174.6	132.0	222.2		141.5	107.1	180.1	
1647	C	431.6	327.4	520.5		349.9	265.4	422.0	
1648	C	149.8	137.4	169.6		121.4	111.4	137.5	
1649	C	308.2	204.0	397.1		249.9	165.4	322.0	
1650	C	149.7	137.3	169.5		121.4	111.3	137.4	
1651	C	382.3	278.1	471.3		310.0	225.5	382.1	
1652	C	150.1	137.6	169.8		121.6	111.6	137.7	
1653	C	165.1	122.5	212.7		133.8	99.3	172.4	
1654	C	111.1	98.7	130.8		90.0	80.0	106.1	
1655	C	197.2	154.6	244.8		159.8	125.4	198.5	
1656	C	316.7	212.5	405.6		256.7	172.3	328.8	
1657	C	209.5	167.0	257.1		169.8	135.4	208.5	
1658	C	178.1	135.6	225.7		144.4	109.9	183.0	
1659	C	168.5	126.0	216.2		136.6	102.2	175.3	
1660	C	238.4	134.2	327.3		193.3	108.8	265.4	
1661	B	217.2	140.2	292.3		176.1	113.7	237.0	
1662	B	184.1	147.3	231.6		149.2	119.4	187.8	
1663	B	157.6	120.8	205.2		127.8	98.0	166.3	
1664	B	271.8	194.8	346.9		220.3	157.9	281.2	
1665	B	157.2	150.4	185.9		127.4	122.0	150.7	
1666	B	208.7	171.9	256.2		169.2	139.3	207.7	
1667	B	149.7	142.9	178.4		121.4	115.9	144.7	
1668	B	157.0	150.3	185.8		127.3	121.8	150.6	
1669	B	152.8	146.0	181.5		123.8	118.4	147.1	
1670	B	55.6	48.9	84.4		45.1	39.6	68.4	
1671	B	242.4	165.4	317.5		196.6	134.1	257.4	
1672	B	289.9	212.9	364.9		235.0	172.6	295.9	
1673	B	328.1	251.1	403.2		266.0	203.6	326.9	
1674	B	437.0	360.0	512.1		354.3	291.9	415.2	
1675	B	147.4	140.7	176.2		119.5	114.0	142.8	
1676	B	160.4	123.6	208.0		130.1	100.2	168.6	
1677	B	316.7	239.7	391.8		256.7	194.3	317.6	
1678	B	193.0	156.2	240.6		156.5	126.7	195.0	
1679	B	163.7	126.9	211.3		132.8	102.9	171.3	
1680	B	376.0	299.0	451.1		304.8	242.4	365.7	
1681	B	305.7	228.7	380.7		247.8	185.4	308.7	
1682	B	175.8	139.0	223.3		142.5	112.7	181.1	
1683	B	241.9	164.9	317.0		196.1	133.7	257.0	
1684	B	122.1	115.3	150.8		99.0	93.5	122.3	
1685	B	119.2	112.4	147.9		96.6	91.1	119.9	
1686	B	89.5	82.7	118.3		72.6	67.1	95.9	

Year	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
1687	B	553.2	476.2	628.2		448.4	386.0	509.3	
1688	B	386.3	309.3	461.4		313.2	250.7	374.0	
1689	B	261.3	184.3	336.4		211.9	149.4	272.7	
1690	B	158.0	121.2	205.6		128.1	98.3	166.7	
1691	B	164.6	127.8	212.1		133.4	103.6	171.9	
1692	B	300.9	223.9	376.0		243.9	181.5	304.8	
1693	B	158.2	121.4	205.7		128.3	98.4	166.8	
1694	B	166.3	129.5	213.9		134.9	105.0	173.4	
1695	B	181.8	145.0	229.3		147.4	117.5	185.9	
1696	B	163.8	127.0	211.3		132.8	103.0	171.3	
1697	B	199.5	162.7	247.0		161.7	131.9	200.3	
1698	B	135.4	128.6	164.1		109.7	104.3	133.1	
1699	B	203.9	167.1	251.4		165.3	135.4	203.8	
1700	B	162.5	125.7	210.1		131.8	101.9	170.3	
1701	B	337.4	260.4	412.4		273.5	211.1	334.4	
1702	B	163.8	127.0	211.3		132.8	102.9	171.3	
1703	B	59.0	52.2	87.7		47.8	42.3	71.1	
1704	B	227.3	150.3	302.4		184.3	121.8	245.1	
1705	B	372.5	295.5	447.6		302.0	239.6	362.9	
1706	B	160.1	123.3	207.6		129.8	99.9	168.3	
1707	B	81.9	75.2	110.7		66.4	60.9	89.7	
1708	B	158.1	121.3	205.6		128.2	98.3	166.7	
1709	B	157.1	150.3	185.8		127.4	121.9	150.7	
1710	B	364.2	287.2	439.2		295.2	232.8	356.1	
1711	B	185.1	148.3	232.6		150.1	120.2	188.6	
1712	B	186.4	149.6	233.9		151.1	121.3	189.6	
1713	B	159.4	122.6	206.9		129.2	99.4	167.8	
1714	B	192.5	155.7	240.0		156.1	126.2	194.6	
1715	B	157.5	120.7	205.1		127.7	97.9	166.3	
1716	B	157.7	120.9	205.3		127.9	98.0	166.4	
1717	B	159.6	122.8	207.1		129.4	99.5	167.9	
1718	B	436.7	359.7	511.7		354.0	291.6	414.9	
1719	B	426.6	349.6	501.7		345.8	283.4	406.7	
1720	B	584.1	507.1	659.1		473.5	411.1	534.4	
1721	B	157.7	120.8	205.2		127.8	98.0	166.3	
1722	B	78.9	72.2	107.7		64.0	58.5	87.3	
1723	B	306.6	229.6	381.7		248.5	186.1	309.4	
1724	B	255.8	178.8	330.8		207.4	144.9	268.2	
1725	B	354.1	277.1	429.2		287.1	224.7	348.0	
1726	B	354.4	277.4	429.5		287.3	224.9	348.2	
1727	B	164.9	128.1	212.4		133.7	103.8	172.2	
1728	B	156.7	149.9	185.4		127.0	121.5	150.3	
1729	B	40.9	34.1	69.6		33.1	27.7	56.4	
1730	B	210.2	173.4	257.7		170.4	140.5	208.9	
1731	B	231.5	154.5	306.6		187.7	125.3	248.6	
1732	B	163.5	126.7	211.0		132.6	102.7	171.1	
1733	B	157.4	120.6	204.9		127.6	97.8	166.1	
1734	B	261.8	184.8	336.9		212.2	149.8	273.1	
1735	B	26.6	19.9	55.4		21.6	16.1	44.9	
1736	B	154.2	147.5	183.0		125.0	119.6	148.4	
1737	B	160.3	123.5	207.9		130.0	100.1	168.5	

Year	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
1738	B	519.1	442.1	594.2		420.9	358.4	481.7	
1739	B	148.3	141.6	177.1		120.2	114.8	143.6	
1740	B	158.1	121.3	205.7		128.2	98.4	166.7	
1741	B	232.8	155.8	307.9		188.8	126.3	249.6	
1742	B	137.9	131.1	166.6		111.8	106.3	135.1	
1743	B	540.9	463.9	616.0		438.5	376.1	499.4	
1744	B	192.6	155.8	240.1		156.1	126.3	194.7	
1745	B	216.1	139.1	291.2		175.2	112.8	236.1	
1746	B	410.0	333.0	485.1		332.4	270.0	393.3	
1747	B	432.7	355.7	507.8		350.8	288.4	411.7	
1748	B	64.0	57.3	92.8		51.9	46.4	75.2	
1749	B	360.4	283.4	435.5		292.2	229.7	353.0	
1750	B	152.7	145.9	181.4		123.8	118.3	147.1	
1751	B	156.9	150.2	185.7		127.2	121.7	150.5	
1752	B	154.2	147.4	182.9		125.0	119.5	148.3	
1753	B	162.9	126.1	210.4		132.1	102.2	170.6	
1754	B	159.8	123.0	207.3		129.5	99.7	168.1	
1755	B	145.8	139.1	174.6		118.2	112.7	141.5	
1756	B	160.8	124.0	208.3		130.4	100.5	168.9	
1757	B	163.4	126.6	210.9		132.5	102.6	171.0	
1758	B	242.6	165.6	317.7		196.7	134.3	257.6	
1759	B	252.2	175.2	327.3		204.4	142.0	265.3	
1760	B	215.9	138.9	291.0		175.0	112.6	235.9	
1761	B	134.7	128.0	163.5		109.2	103.7	132.5	
1762	B	162.4	125.6	209.9		131.7	101.8	170.2	
1763	B	135.4	128.6	164.1		109.8	104.3	133.1	
1764	B	464.7	387.7	539.8		376.7	314.3	437.6	
1765	B	161.8	125.0	209.3		131.2	101.3	169.7	
1766	B	424.7	347.7	499.8		344.3	281.9	405.2	
1767	B	354.9	277.9	430.0		287.7	225.3	348.6	
1768	B	226.5	149.5	301.6		183.7	121.2	244.5	
1769	B	207.4	170.6	254.9		168.1	138.3	206.7	
1770	B	161.8	125.0	209.4		131.2	101.4	169.7	
1771	B	361.7	284.7	436.7		293.2	230.8	354.1	
1772	B	157.4	120.6	204.9		127.6	97.7	166.1	
1773	B	60.3	53.5	89.1		48.9	43.4	72.2	
1774	B	161.9	125.1	209.4		131.3	101.4	169.8	
1775	B	405.9	328.9	481.0		329.1	266.6	389.9	
1776	B	158.9	122.1	206.4		128.8	99.0	167.4	
1777	B	157.5	120.7	205.0		127.7	97.8	166.2	
1778	B	158.3	121.5	205.8		128.3	98.5	166.8	
1779	B	163.0	126.2	210.5		132.1	102.3	170.7	
1780	B	92.7	85.9	121.4		75.2	69.7	98.5	
1781	B	165.5	128.7	213.1		134.2	104.4	172.7	
1782	B	150.3	143.5	179.0		121.8	116.4	145.1	
1783	B	252.5	175.5	327.5		204.7	142.2	265.5	
1784	B	426.9	349.9	501.9		346.1	283.6	406.9	
1785	B	129.7	122.9	158.4		105.1	99.6	128.4	
1786	B	164.3	127.5	211.8		133.2	103.4	171.7	
1787	B	442.2	365.2	517.2		358.5	296.0	419.3	
1788	B	135.8	129.1	164.6		110.1	104.6	133.4	

Year	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
1789	B	148.2	141.4	177.0		120.2	114.7	143.5	
1790	B	198.5	161.7	246.0		160.9	131.1	199.5	
1791	B	476.6	399.6	551.7		386.4	324.0	447.3	
1792	B	330.1	253.1	405.2		267.6	205.2	328.5	
1793	B	327.0	250.0	402.1		265.1	202.7	326.0	
1794	B	153.5	146.7	182.2		124.4	118.9	147.7	
1795	B	218.0	141.0	293.1		176.7	114.3	237.6	
1796	B	157.1	150.4	185.9		127.4	121.9	150.7	
1797	B	238.4	161.4	313.5		193.3	130.9	254.2	
1798	B	156.0	149.2	184.7		126.5	121.0	149.8	
1799	B	215.7	138.7	290.8		174.9	112.5	235.8	
1800	B	134.4	127.7	163.2		109.0	103.5	132.3	
1801	B	158.6	121.8	206.2		128.6	98.8	167.2	
1802	B	304.5	227.5	379.6		246.9	184.5	307.8	
1803	B	158.1	121.3	205.6		128.2	98.3	166.7	
1804	B	199.8	163.0	247.3		162.0	132.1	200.5	
1805	B	126.1	119.4	154.9		102.3	96.8	125.6	
1806	B	206.4	169.6	254.0		167.4	137.5	205.9	
1807	B	218.8	141.8	293.8		177.3	114.9	238.2	
1808	B	144.9	138.2	173.7		117.5	112.0	140.8	
1809	B	160.6	123.8	208.2		130.2	100.4	168.8	
1810	B	193.8	157.0	241.3		157.1	127.3	195.7	
1811	B	351.4	274.4	426.5		284.9	222.4	345.7	
1812	B	158.1	121.3	205.6		128.2	98.3	166.7	
1813	B	71.0	64.3	99.8		57.6	52.1	80.9	
1814	B	231.6	154.6	306.7		187.8	125.4	248.6	
1815	B	207.5	170.7	255.1		168.3	138.4	206.8	
1816	B	498.0	421.0	573.0		403.7	341.3	464.6	
1817	B	208.3	171.5	255.8		168.9	139.0	207.4	
1818	B	148.7	142.0	177.5		120.6	115.1	143.9	
1819	B	412.0	335.0	487.1		334.0	271.6	394.9	
1820	B	84.1	77.4	112.9		68.2	62.7	91.5	
1821	B	504.8	427.8	579.9		409.2	346.8	470.1	
1822	B	110.8	104.0	139.5		89.8	84.3	113.1	
1823	B	160.3	123.5	207.9		130.0	100.1	168.5	
1824	B	158.8	122.0	206.4		128.8	98.9	167.3	
1825	B	250.6	173.6	325.7		203.2	140.7	264.0	
1826	B	222.9	145.9	298.0		180.7	118.3	241.6	
1827	B	160.5	123.7	208.0		130.1	100.3	168.7	
1828	B	500.7	423.7	575.8		405.9	343.5	466.8	
1829	B	137.6	130.8	166.3		111.5	106.1	134.8	
1830	B	168.7	131.9	216.2		136.8	106.9	175.3	
1831	B	159.3	122.5	206.8		129.2	99.3	167.7	
1832	B	387.1	310.1	462.2		313.8	251.4	374.7	
1833	B	306.7	229.7	381.8		248.7	186.3	309.5	
1834	B	163.0	126.2	210.5		132.1	102.3	170.7	
1835	B	232.2	155.2	307.3		188.3	125.9	249.1	
1836	B	164.7	127.9	212.3		133.6	103.7	172.1	
1837	B	229.3	152.3	304.4		185.9	123.5	246.8	
1838	B	315.3	238.3	390.4		255.6	193.2	316.5	
1839	B	305.6	228.6	380.7		247.7	185.3	308.6	

Year	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
1840	B	228.6	151.6	303.7		185.3	122.9	246.2	
1841	B	111.1	104.3	139.8		90.1	84.6	113.4	
1842	B	158.0	121.2	205.5		128.1	98.2	166.6	
1843	B	226.4	149.4	301.5		183.6	121.1	244.4	
1844	B	223.8	146.8	298.9		181.5	119.0	242.3	
1845	B	94.2	87.5	123.0		76.4	70.9	99.7	
1846	B	206.4	169.6	253.9		167.3	137.5	205.8	
1847	B	45.4	38.7	74.2		36.8	31.3	60.1	
1848	B	489.3	412.3	564.3		396.7	334.2	457.5	
1849	B	516.6	439.6	591.7		418.8	356.4	479.7	
1850	B	267.0	190.0	342.1		216.4	154.0	277.3	
1851	B	160.4	123.6	207.9		130.0	100.2	168.6	
1852	B	267.7	190.7	342.8		217.0	154.6	277.9	
1853	B	272.7	195.7	347.8		221.1	158.7	282.0	
1854	B	159.2	122.4	206.7		129.1	99.2	167.6	
1855	B	162.6	125.8	210.2		131.9	102.0	170.4	
1856	B	133.9	127.2	162.7		108.6	103.1	131.9	
1857	B	131.8	125.0	160.6		106.9	101.4	130.2	
1858	B	160.9	124.1	208.4		130.5	100.6	169.0	
1859	B	158.9	122.1	206.4		128.8	99.0	167.4	
1860	B	151.4	144.7	180.2		122.8	117.3	146.1	
1861	B	123.0	116.2	151.7		99.7	94.2	123.0	
1862	B	502.1	425.1	577.2		407.1	344.7	468.0	
1863	B	157.2	150.4	186.0		127.4	122.0	150.8	
1864	B	103.3	96.6	132.1		83.8	78.3	107.1	
1865	B	250.8	173.8	325.9		203.3	140.9	264.2	
1866	B	458.7	381.7	533.8		371.9	309.4	432.7	
1867	B	223.5	146.5	298.6		181.2	118.8	242.1	
1868	B	489.5	412.5	564.6		396.9	334.4	457.7	
1869	B	232.7	155.7	307.8		188.6	126.2	249.5	
1870	B	135.7	129.0	164.5		110.0	104.5	133.3	
1871	B	85.3	78.6	114.1		69.2	63.7	92.5	
1872	B	216.1	139.1	291.1		175.2	112.7	236.0	
1873	B	152.4	145.7	181.2		123.6	118.1	146.9	
1874	B	226.9	149.9	302.0		183.9	121.5	244.8	
1875	B	190.2	153.4	237.7		154.2	124.3	192.7	
1876	B	157.5	120.7	205.0		127.7	97.8	166.2	
1877	B	159.9	123.1	207.4		129.6	99.8	168.2	
1878	B	163.5	126.6	211.0		132.5	102.7	171.1	
1879	B	79.6	72.8	108.3		64.5	59.0	87.8	
1880	B	160.6	123.8	208.2		130.2	100.4	168.8	
1881	B	157.3	120.5	204.8		127.5	97.7	166.1	
1882	B	128.3	121.5	157.0		104.0	98.5	127.3	
1883	B	120.2	113.4	148.9		97.4	92.0	120.7	
1884	B	507.3	430.3	582.4		411.3	348.9	472.2	
1885	B	453.2	376.2	528.2		367.4	305.0	428.3	
1886	B	188.3	151.5	235.9		152.7	122.9	191.2	
1887	B	162.7	125.9	210.3		131.9	102.1	170.5	
1888	B	236.3	159.3	311.4		191.6	129.1	252.4	
1889	B	232.9	155.9	308.0		188.8	126.4	249.7	
1890	B	504.0	427.0	579.1		408.6	346.2	469.4	

Year	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
1891	B	271.1	194.1	346.2		219.8	157.4	280.7	
1892	B	215.6	138.6	290.7		174.8	112.4	235.7	
1893	B	153.4	146.7	182.2		124.4	118.9	147.7	
1894	B	126.6	119.8	155.3		102.6	97.1	125.9	
1895	B	184.4	147.6	231.9		149.5	119.7	188.0	
1896	B	67.2	60.5	96.0		54.5	49.0	77.8	
1897	B	446.0	369.0	521.1		361.6	299.1	422.4	
1898	B	311.7	234.7	386.8		252.7	190.3	313.6	
1899	B	25.7	19.0	54.5		20.9	15.4	44.2	
1900	B	163.9	127.1	211.4		132.9	103.0	171.4	
1901	B	188.8	151.9	236.3		153.0	123.2	191.6	
1902	B	94.3	87.6	123.1		76.5	71.0	99.8	
1903	B	244.5	167.5	319.5		198.2	135.8	259.0	
1904	B	140.1	133.3	168.8		113.6	108.1	136.9	
1905	B	321.4	244.4	396.5		260.6	198.2	321.5	
1906	B	455.9	378.9	531.0		369.6	307.2	430.5	
1907	B	543.2	466.2	618.3		440.4	378.0	501.2	
1908	B	234.6	157.6	309.7		190.2	127.8	251.1	
1909	B	220.4	143.4	295.5		178.7	116.3	239.6	
1910	B	248.5	171.5	323.6		201.5	139.1	262.4	
1911	B	478.5	401.5	553.6		388.0	325.5	448.8	
1912	B	203.6	166.8	251.2		165.1	135.2	203.6	
1913	B	225.3	148.3	300.4		182.7	120.2	243.5	
1914	B	435.3	358.3	510.4		352.9	290.5	413.7	
1915	B	165.2	128.4	212.7		133.9	104.1	172.4	
1916	B	230.9	153.9	306.0		187.2	124.8	248.1	
1917	B	330.1	253.1	405.2		267.6	205.2	328.5	
1918	B	157.7	120.9	205.2		127.8	98.0	166.4	
1919	B	171.9	135.0	219.4		139.3	109.5	177.9	
1920	B	217.5	140.5	292.6		176.3	113.9	237.2	
1921	B	177.9	141.1	225.4		144.2	114.4	182.8	
1922	B	245.8	168.8	320.9		199.3	136.9	260.2	
1923	B	188.8	152.0	236.3		153.0	123.2	191.6	
1924	B	150.2	143.4	178.9		121.7	116.3	145.0	
1925	B	157.7	120.9	205.2		127.8	98.0	166.4	
1926	B	232.6	155.6	307.7		188.6	126.1	249.4	
1927	B	157.8	121.0	205.3		127.9	98.1	166.5	
1928	B	206.3	169.5	253.9		167.3	137.4	205.8	
1929	B	150.7	143.9	179.4		122.1	116.7	145.4	
1930	B	175.6	138.8	223.2	232.0	142.4	112.6	180.9	188.1
1931	B	154.8	148.1	183.6	147.2	125.5	120.0	148.8	119.4
1932	B	413.8	336.8	488.9	471.0	335.5	273.1	396.4	381.9
1933	B	157.9	121.1	205.4	157.1	128.0	98.2	166.5	127.4
1934	B	104.6	97.8	133.3	96.2	84.8	79.3	108.1	78.0
1935	B	210.1	173.3	257.7	203.2	170.4	140.5	208.9	164.8
1936	B	135.8	129.1	164.6	161.5	110.1	104.6	133.4	130.9
1937	B	387.2	310.2	462.3	296.4	313.9	251.5	374.8	240.3
1938	B	228.4	151.4	303.5	343.7	185.1	122.7	246.0	278.6
1939	B	154.3	147.5	183.0	191.1	125.1	119.6	148.4	154.9
1940	B	180.0	143.2	227.6	214.2	145.9	116.1	184.5	173.7
1941	B	375.2	298.2	450.2	493.4	304.2	241.7	365.0	400.0

Year	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
1942	B	212.6	135.6	287.7	265.2	172.4	110.0	233.2	215.0
1943	B	160.3	123.5	207.8	219.7	130.0	100.1	168.5	178.1
1944	B	218.0	141.0	293.0	225.4	176.7	114.3	237.6	182.7
1945	B	157.4	120.6	204.9	205.1	127.6	97.7	166.1	166.3
1946	B	124.1	117.4	152.9	149.5	100.6	95.2	123.9	121.2
1947	B	201.8	165.0	249.3	237.1	163.6	133.7	202.1	192.2
1948	B	169.1	132.3	216.6	143.6	137.1	107.3	175.6	116.4
1949	B	313.0	236.0	388.1	192.3	253.8	191.4	314.7	155.9
1950	B	148.5	141.7	177.2	156.7	120.4	114.9	143.7	127.1
1951	B	126.5	119.7	155.2	123.3	102.5	97.1	125.8	99.9
1952	B	378.1	301.1	453.2	337.3	306.5	244.1	367.4	273.5
1953	B	129.6	122.8	158.3	122.7	105.1	99.6	128.4	99.5
1954	B	199.4	162.6	246.9	168.4	161.6	131.8	200.2	136.5
1955	B	154.9	148.1	183.6	167.1	125.6	120.1	148.9	135.5
1956	B	113.5	106.8	142.3	114.5	92.1	86.6	115.4	92.8
1957	B	232.8	155.8	307.9	123.6	188.7	126.3	249.6	100.2
1958	B	274.4	197.4	349.5	363.4	222.5	160.1	283.4	294.6
1959	B	115.5	108.8	144.3	114.5	93.7	88.2	117.0	92.9
1960	B	165.0	128.2	212.6	102.9	133.8	104.0	172.3	83.4
1961	B	157.2	150.4	185.9	133.8	127.4	121.9	150.7	108.5
1962	B	215.5	138.5	290.6	175.7	174.7	112.3	235.6	142.4
1963	B	127.0	120.3	155.8	102.7	103.0	97.5	126.3	83.3
1964	B	163.5	126.7	211.0	110.4	132.5	102.7	171.1	89.5
1965	B	204.1	167.3	251.7	148.6	165.5	135.6	204.0	120.4
1966	B	162.5	125.7	210.1	158.4	131.8	101.9	170.3	128.5
1967	B	228.1	151.1	303.1	231.3	184.9	122.5	245.8	187.6
1968	B	243.3	166.3	318.4	158.7	197.2	134.8	258.1	128.7
1969	B	431.6	354.6	506.6	423.8	349.9	287.5	410.7	343.6
1970	B	156.9	150.1	185.6	119.6	127.2	121.7	150.5	97.0
1971	B	157.9	121.1	205.5	123.1	128.0	98.2	166.6	99.8
1972	C	232.2	189.7	279.8	156.6	188.2	153.8	226.9	126.9
1973	C	364.5	260.3	453.4	395.9	295.5	211.0	367.6	321.0
1974	C	118.7	106.3	138.5	111.6	96.2	86.2	112.3	90.5
1975	C	248.6	144.4	337.5	137.2	201.5	117.1	273.7	111.2
1976	C	189.5	147.0	237.1	112.5	153.6	119.1	192.2	91.2
1977	C	108.5	96.1	128.3	100.5	88.0	77.9	104.0	81.4
1978	C	216.6	174.0	264.2	316.4	175.6	141.1	214.2	256.5
1979	C	241.8	137.6	330.8	381.0	196.0	111.6	268.2	308.9
1980	C	312.3	208.1	401.2	555.4	253.2	168.7	325.3	450.3
1981	C	241.4	137.2	330.3	202.1	195.7	111.2	267.8	163.9
1982	C	221.0	178.4	268.6	203.7	179.1	144.7	217.7	165.2
1983	C	439.6	335.5	528.6	622.4	356.4	272.0	428.5	504.6
1984	C	160.7	118.1	208.3	236.0	130.3	95.8	168.9	191.4
1985	C	336.7	232.5	425.6	216.2	272.9	188.5	345.1	175.3
1986	C	169.6	127.1	217.2	176.8	137.5	103.0	176.1	143.3
1987	C	390.0	285.9	479.0	160.8	316.2	231.7	388.3	130.4
1988	C	250.4	146.2	339.4	234.6	203.0	118.6	275.1	190.2
1989	C	134.8	122.4	154.6	149.7	109.3	99.2	125.3	121.3
1990	C	146.5	134.1	166.3	101.3	118.8	108.7	134.8	82.1
1991	C	155.5	113.0	203.2	89.5	126.1	91.6	164.7	72.6
1992	C	449.3	345.1	538.2	170.8	364.2	279.8	436.3	138.4

Year	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
1993	C	280.2	176.0	369.1	530.5	227.2	142.7	299.3	430.1
1994	C	149.6	137.2	169.4	163.0	121.3	111.3	137.4	132.2
1995	C	357.7	253.5	446.6	439.9	290.0	205.5	362.1	356.7
1996	C	110.6	98.2	130.4	146.6	89.7	79.6	105.7	118.9
1997	C	223.7	181.2	271.3	188.3	181.4	146.9	220.0	152.7
1998	C	325.7	221.6	414.7	337.8	264.1	179.6	336.2	273.9
1999	C	266.6	162.4	355.5	171.5	216.1	131.6	288.2	139.0
2000	C	131.8	119.4	151.6	131.8	106.9	96.8	122.9	106.8
2001	C	327.0	222.8	416.0	133.3	265.1	180.7	337.2	108.1
2002	C	93.4	81.0	113.2	91.6	75.7	65.7	91.8	74.3
2003	C	229.7	187.2	277.4	103.9	186.2	151.8	224.9	84.2
2004	C	172.0	129.5	219.6	101.0	139.4	105.0	178.1	81.9
2005	C	399.9	295.7	488.8	736.5	324.2	239.7	396.3	597.1
2006	C	164.1	121.5	211.7	208.0	133.0	98.5	171.6	168.6
2007	C	150.3	137.9	170.1	119.0	121.8	111.8	137.9	96.5
2008	C	167.8	125.3	215.4	141.6	136.0	101.6	174.6	114.8

G.2 Little Colorado River Watershed Reconstruction

Watershed: Little Colorado River (many HUC8's)
Reconstruction type: streamflow
Gage: USGS 09402000 LITTLE COLORADO RIVER NEAR CAMERON, AZ
 Gage near Cameron has water-year flows beginning with water year 1948. Observed flows for the water years 1936-1947 were estimated by linear regression from water-year flows of USGS 09394500 LITTLE COLORADO RIVER AT WOODRUFF, AZ
Season: Water Year
Reconstruction units: mcm & kaf
Year: Water Year
Model: letter indicating subperiod model used for each year of reconstruction (see Table B.4)
Rec (units): reconstructed flow in mcm & kaf
Lower_50: lower bound of 50% CI on reconstruction (from median(negative residuals)
Upper 50: upper bound of 50% CI on reconstruction (from median(positive residuals)
Obs: Observed flow in mcm & kaf

Year	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
1410	A	165.1	119.6	235.4		133.8	96.9	190.8	
1411	A	145.6	74.7	256.8		118.1	60.6	208.2	
1412	A	277.4	147.2	357.7		224.9	119.3	290.0	
1413	A	89.9	19.0	201.0		72.9	15.4	162.9	
1414	A	541.5	411.3	621.9		439.0	333.5	504.2	
1415	A	141.9	71.0	253.0		115.1	57.6	205.1	
1416	A	175.9	130.3	246.1		142.6	105.7	199.6	
1417	A	226.6	96.4	306.9		183.7	78.1	248.8	
1418	A	162.6	117.1	232.9		131.9	95.0	188.8	
1419	A	172.9	127.4	243.2		140.2	103.3	197.2	
1420	A	248.6	118.4	329.0		201.6	96.0	266.7	
1421	A	105.4	34.4	216.5		85.4	27.9	175.5	
1422	A	229.2	99.0	309.5		185.8	80.2	251.0	
1423	A	135.5	64.6	246.6		109.8	52.4	199.9	
1424	A	203.1	157.6	273.4		164.7	127.8	221.7	
1425	A	147.2	76.3	258.3		119.3	61.8	209.4	
1426	A	234.8	104.6	315.2		190.4	84.8	255.5	
1427	A	304.6	174.4	385.0		246.9	141.4	312.1	
1428	A	394.3	264.1	474.6		319.6	214.1	384.8	
1429	A	174.6	129.1	244.9		141.6	104.7	198.6	
1430	A	180.8	135.3	251.1		146.6	109.7	203.6	
1431	A	205.2	159.7	275.5		166.3	129.4	223.3	
1432	A	186.2	140.7	256.5		151.0	114.1	208.0	
1433	A	241.0	110.8	321.4		195.4	89.8	260.5	
1434	A	171.3	125.8	241.6		138.9	102.0	195.8	
1435	A	134.3	63.4	245.4		108.9	51.4	198.9	
1436	A	177.8	132.3	248.1		144.1	107.2	201.1	
1437	A	144.8	73.9	255.9		117.4	59.9	207.5	
1438	A	132.4	61.5	243.6		107.4	49.9	197.5	
1439	A	176.4	130.9	246.7		143.0	106.1	200.0	
1440	A	243.7	113.5	324.1		197.5	92.0	262.7	
1441	A	555.9	425.8	636.3		450.7	345.2	515.9	
1442	A	130.0	59.1	241.2		105.4	47.9	195.5	

Year	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
1443	A	173.2	127.7	243.5		140.4	103.5	197.4	
1444	A	162.9	117.4	233.2		132.0	95.1	189.0	
1445	A	159.5	114.0	229.8		129.3	92.4	186.3	
1446	A	152.5	107.0	222.8		123.6	86.7	180.6	
1447	A	197.3	151.8	267.6		159.9	123.0	216.9	
1448	A	139.1	68.2	250.2		112.8	55.3	202.9	
1449	A	131.8	60.9	242.9		106.8	49.3	196.9	
1450	A	126.5	55.6	237.6		102.6	45.1	192.6	
1451	A	459.1	328.9	539.5		372.2	266.7	437.4	
1452	A	217.3	87.2	297.7		176.2	70.7	241.4	
1453	A	361.1	230.9	441.5		292.8	187.2	357.9	
1454	A	162.9	117.4	233.2		132.1	95.2	189.1	
1455	A	50.9	0.0	162.0		41.3	0.0	131.4	
1456	A	216.7	86.5	297.1		175.7	70.1	240.8	
1457	A	128.6	57.6	239.7		104.2	46.7	194.3	
1458	A	428.2	298.1	508.6		347.2	241.6	412.4	
1459	A	153.1	107.6	223.4		124.2	87.3	181.1	
1460	A	134.6	63.7	245.7		109.1	51.7	199.2	
1461	A	169.2	123.7	239.5		137.2	100.3	194.2	
1462	A	617.9	487.7	698.3		500.9	395.4	566.1	
1463	A	158.3	112.8	228.6		128.3	91.4	185.3	
1464	A	49.6	0.0	160.7		40.2	0.0	130.3	
1465	A	178.4	132.9	248.7		144.6	107.7	201.6	
1466	A	601.2	471.0	681.5		487.4	381.8	552.5	
1467	A	746.9	616.7	827.3		605.5	500.0	670.7	
1468	A	187.9	142.4	258.2		152.3	115.4	209.3	
1469	A	186.3	140.8	256.6		151.0	114.1	208.0	
1470	A	153.6	108.1	223.9		124.5	87.6	181.5	
1471	A	68.2	0.0	179.3		55.3	0.0	145.4	
1472	A	135.4	64.5	246.5		109.8	52.3	199.8	
1473	A	162.3	116.8	232.6		131.6	94.7	188.6	
1474	A	192.6	147.1	262.9		156.2	119.3	213.2	
1475	A	149.9	104.4	220.2		121.5	84.6	178.5	
1476	A	216.3	86.1	296.7		175.4	69.8	240.5	
1477	A	275.3	145.2	355.7		223.2	117.7	288.4	
1478	A	178.3	132.7	248.5		144.5	107.6	201.5	
1479	A	131.7	60.7	242.8		106.7	49.2	196.8	
1480	A	128.7	57.8	239.8		104.4	46.9	194.4	
1481	A	174.9	129.4	245.2		141.8	104.9	198.8	
1482	A	229.2	99.0	309.6		185.8	80.3	251.0	
1483	A	175.1	129.6	245.4		142.0	105.1	199.0	
1484	A	564.1	433.9	644.5		457.3	351.8	522.5	
1485	A	179.7	134.2	250.0		145.7	108.8	202.7	
1486	A	203.0	157.5	273.3		164.6	127.7	221.6	
1487	A	129.7	58.7	240.8		105.1	47.6	195.2	
1488	A	191.3	145.8	261.6		155.1	118.2	212.1	
1489	A	211.3	81.1	291.7		171.3	65.8	236.5	
1490	A	226.4	96.2	306.8		183.5	78.0	248.7	
1491	A	519.4	389.3	599.8		421.1	315.6	486.3	
1492	A	182.7	137.2	253.0		148.1	111.2	205.1	
1493	A	172.0	126.5	242.3		139.4	102.5	196.4	

Year	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
1494	A	174.9	129.4	245.2		141.8	104.9	198.8	
1495	A	28.2	0.0	139.3		22.9	0.0	113.0	
1496	A	193.5	148.0	263.8		156.9	120.0	213.9	
1497	A	203.3	157.8	273.6		164.8	127.9	221.8	
1498	A	394.1	263.9	474.5		319.5	213.9	384.6	
1499	A	182.8	137.3	253.1		148.2	111.3	205.2	
1500	A	53.1	0.0	164.2		43.0	0.0	133.1	
1501	A	186.8	141.3	257.1		151.5	114.6	208.5	
1502	A	223.0	92.8	303.4		180.8	75.3	246.0	
1503	A	194.6	149.1	264.9		157.8	120.9	214.8	
1504	A	215.9	85.7	296.3		175.0	69.5	240.2	
1505	A	139.4	68.5	250.5		113.0	55.5	203.1	
1506	A	110.9	40.0	222.0		89.9	32.4	180.0	
1507	A	373.3	243.2	453.7		302.7	197.1	367.8	
1508	A	207.5	77.4	287.9		168.2	62.7	233.4	
1509	A	635.5	505.3	715.9		515.2	409.7	580.4	
1510	A	121.8	50.9	232.9		98.8	41.3	188.8	
1511	A	271.5	141.3	351.9		220.1	114.6	285.3	
1512	A	211.6	81.5	292.0		171.6	66.0	236.8	
1513	A	264.5	134.4	344.9		214.5	108.9	279.6	
1514	A	253.2	123.0	333.6		205.3	99.7	270.4	
1515	A	140.7	69.8	251.8		114.1	56.6	204.2	
1516	A	140.0	69.1	251.1		113.5	56.0	203.6	
1517	A	153.2	107.7	223.5		124.2	87.3	181.2	
1518	A	175.4	129.9	245.7		142.2	105.3	199.2	
1519	A	257.1	126.9	337.5		208.5	102.9	273.6	
1520	A	183.0	137.5	253.3		148.4	111.5	205.4	
1521	A	140.0	69.1	251.1		113.5	56.0	203.6	
1522	A	89.3	18.4	200.4		72.4	14.9	162.5	
1523	A	193.3	147.8	263.6		156.7	119.8	213.7	
1524	A	177.3	131.8	247.6		143.7	106.9	200.7	
1525	A	162.7	117.2	233.0		131.9	95.0	188.9	
1526	A	539.7	409.5	620.1		437.5	332.0	502.7	
1527	A	178.3	132.8	248.6		144.5	107.6	201.5	
1528	A	134.5	63.6	245.6		109.0	51.5	199.1	
1529	A	171.3	125.7	241.6		138.8	101.9	195.8	
1530	A	221.8	91.7	302.2		179.8	74.3	245.0	
1531	A	175.6	130.0	245.9		142.3	105.4	199.3	
1532	A	52.9	0.0	164.1		42.9	0.0	133.0	
1533	A	191.4	145.9	261.7		155.2	118.3	212.1	
1534	A	218.5	88.4	298.9		177.2	71.6	242.3	
1535	A	214.6	84.4	295.0		174.0	68.4	239.1	
1536	A	284.9	154.7	365.3		231.0	125.4	296.2	
1537	A	238.8	108.6	319.2		193.6	88.0	258.8	
1538	A	58.3	0.0	169.4		47.3	0.0	137.4	
1539	A	202.8	157.3	273.1		164.4	127.5	221.4	
1540	A	271.1	140.9	351.5		219.8	114.2	284.9	
1541	A	178.9	133.4	249.2		145.0	108.1	202.0	
1542	A	34.7	0.0	145.8		28.2	0.0	118.2	
1543	A	238.4	108.2	318.8		193.3	87.7	258.4	
1544	A	136.0	65.1	247.1		110.3	52.8	200.3	

Year	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
1545	A	160.9	115.4	231.2		130.4	93.5	187.4	
1546	A	241.5	111.3	321.9		195.8	90.3	261.0	
1547	A	144.4	73.5	255.5		117.0	59.6	207.1	
1548	A	175.6	130.1	245.9		142.3	105.5	199.3	
1549	A	289.3	159.1	369.7		234.5	129.0	299.7	
1550	A	318.9	188.7	399.3		258.5	153.0	323.7	
1551	A	157.3	111.8	227.6		127.6	90.7	184.5	
1552	A	189.0	143.5	259.3		153.2	116.3	210.2	
1553	A	227.0	96.8	307.4		184.0	78.5	249.2	
1554	A	147.3	76.4	258.4		119.4	61.9	209.5	
1555	A	240.3	110.1	320.7		194.8	89.3	260.0	
1556	A	454.6	324.4	535.0		368.6	263.0	433.7	
1557	A	208.7	78.5	289.1		169.2	63.7	234.4	
1558	A	162.9	117.4	233.2		132.1	95.2	189.1	
1559	A	156.9	111.4	227.2		127.2	90.3	184.2	
1560	A	214.7	84.5	295.1		174.1	68.5	239.2	
1561	A	138.4	67.5	249.5		112.2	54.7	202.3	
1562	A	170.3	124.8	240.6		138.0	101.1	195.0	
1563	A	184.2	138.7	254.5		149.3	112.4	206.3	
1564	A	475.5	345.3	555.9		385.5	279.9	450.6	
1565	A	415.7	285.5	496.0		337.0	231.4	402.2	
1566	A	155.1	109.6	225.4		125.7	88.8	182.7	
1567	A	170.2	124.7	240.5		138.0	101.1	195.0	
1568	A	219.2	89.0	299.6		177.7	72.2	242.9	
1569	A	180.9	135.4	251.2		146.7	109.8	203.6	
1570	A	220.3	90.1	300.7		178.6	73.1	243.8	
1571	A	140.7	69.8	251.8		114.1	56.6	204.1	
1572	A	178.4	132.8	248.7		144.6	107.7	201.6	
1573	A	128.3	57.4	239.4		104.0	46.5	194.1	
1574	A	160.9	115.4	231.2		130.4	93.5	187.4	
1575	A	185.3	139.8	255.6		150.2	113.3	207.2	
1576	A	159.7	114.2	230.0		129.5	92.6	186.5	
1577	A	221.9	91.7	302.2		179.9	74.3	245.0	
1578	A	176.5	130.9	246.8		143.1	106.2	200.0	
1579	A	105.4	34.5	216.5		85.4	27.9	175.5	
1580	A	122.0	51.1	233.1		98.9	41.4	189.0	
1581	A	204.4	158.9	274.7		165.7	128.8	222.7	
1582	A	146.1	75.1	257.2		118.4	60.9	208.5	
1583	A	126.6	55.6	237.7		102.6	45.1	192.7	
1584	A	98.1	27.1	209.2		79.5	22.0	169.6	
1585	A	103.6	32.7	214.7		84.0	26.5	174.1	
1586	A	489.8	359.6	570.2		397.1	291.6	462.3	
1587	A	187.9	142.4	258.2		152.3	115.4	209.3	
1588	A	232.3	102.2	312.7		188.3	82.8	253.5	
1589	A	174.3	128.8	244.6		141.3	104.4	198.3	
1590	A	76.0	5.1	187.2		61.7	4.2	151.7	
1591	A	183.8	138.3	254.1		149.0	112.1	206.0	
1592	A	130.6	59.7	241.7		105.9	48.4	196.0	
1593	A	149.6	104.0	219.8		121.2	84.4	178.2	
1594	A	919.9	789.7	1000.3		745.8	640.2	810.9	
1595	A	186.6	141.1	256.9		151.3	114.4	208.2	

Year	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
1596	A	176.4	130.9	246.7		143.0	106.1	200.0	
1597	A	145.0	74.1	256.1		117.6	60.1	207.6	
1598	A	140.2	69.3	251.3		113.7	56.2	203.7	
1599	A	268.8	138.6	349.2		217.9	112.4	283.1	
1600	A	86.6	15.7	197.7		70.2	12.7	160.3	
1601	A	176.6	131.1	246.9		143.2	106.3	200.2	
1602	A	279.2	149.1	359.6		226.4	120.8	291.5	
1603	A	178.3	132.8	248.6		144.6	107.7	201.6	
1604	A	241.2	111.1	321.6		195.6	90.0	260.7	
1605	A	238.8	108.6	319.2		193.6	88.1	258.8	
1606	A	184.2	138.7	254.5		149.3	112.4	206.3	
1607	A	139.0	68.1	250.1		112.7	55.2	202.8	
1608	A	216.5	86.3	296.8		175.5	69.9	240.7	
1609	A	273.1	142.9	353.5		221.4	115.9	286.6	
1610	A	269.1	138.9	349.5		218.1	112.6	283.3	
1611	A	174.7	129.2	245.0		141.6	104.7	198.6	
1612	A	144.7	73.8	255.8		117.3	59.8	207.4	
1613	A	159.4	113.9	229.7		129.3	92.4	186.2	
1614	A	188.0	142.5	258.3		152.4	115.5	209.4	
1615	A	266.9	136.7	347.2		216.3	110.8	281.5	
1616	A	211.7	81.5	292.1		171.6	66.1	236.8	
1617	A	241.3	111.1	321.7		195.6	90.1	260.8	
1618	A	360.9	230.7	441.3		292.6	187.0	357.7	
1619	A	174.4	128.9	244.7		141.4	104.5	198.4	
1620	A	269.8	139.6	350.2		218.7	113.2	283.9	
1621	A	620.0	489.8	700.4		502.6	397.1	567.8	
1622	A	158.9	113.4	229.2		128.8	91.9	185.8	
1623	A	64.9	0.0	176.1		52.7	0.0	142.7	
1624	A	128.1	57.1	239.2		103.8	46.3	193.9	
1625	A	188.6	143.1	258.9		152.9	116.0	209.9	
1626	A	127.9	57.0	239.1		103.7	46.2	193.8	
1627	A	445.8	315.6	526.2		361.4	255.9	426.6	
1628	A	164.5	119.0	234.8		133.4	96.5	190.4	
1629	A	184.7	139.2	255.0		149.7	112.8	206.7	
1630	A	178.7	133.2	249.0		144.8	108.0	201.8	
1631	A	172.5	127.0	242.8		139.9	103.0	196.8	
1632	A	100.5	29.6	211.6		81.5	24.0	171.5	
1633	A	412.3	282.1	492.7		334.3	228.7	399.4	
1634	A	219.7	89.6	300.1		178.1	72.6	243.3	
1635	A	258.3	128.1	338.7		209.4	103.9	274.6	
1636	A	150.0	104.5	220.3		121.6	84.7	178.6	
1637	A	129.4	58.5	240.5		104.9	47.4	195.0	
1638	A	162.1	116.6	232.4		131.4	94.5	188.4	
1639	A	239.4	109.2	319.8		194.1	88.5	259.3	
1640	A	555.7	425.5	636.1		450.5	345.0	515.7	
1641	A	266.4	136.2	346.8		216.0	110.4	281.1	
1642	A	205.1	159.5	275.3		166.2	129.3	223.2	
1643	A	177.8	132.3	248.1		144.1	107.2	201.1	
1644	A	217.5	87.3	297.8		176.3	70.8	241.5	
1645	A	157.5	112.0	227.8		127.7	90.8	184.7	
1646	A	217.5	87.3	297.9		176.3	70.8	241.5	

Year	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
1647	A	242.1	111.9	322.5		196.3	90.7	261.4	
1648	A	98.0	27.1	209.1		79.5	22.0	169.5	
1649	A	368.0	237.8	448.4		298.3	192.8	363.5	
1650	A	282.8	152.6	363.1		229.2	123.7	294.4	
1651	A	548.3	418.1	628.7		444.5	339.0	509.7	
1652	A	143.1	72.2	254.3		116.0	58.6	206.1	
1653	A	221.3	91.1	301.7		179.4	73.9	244.6	
1654	A	30.7	0.0	141.8		24.9	0.0	115.0	
1655	A	347.3	217.1	427.7		281.5	176.0	346.7	
1656	A	212.4	82.2	292.8		172.2	66.7	237.4	
1657	A	164.9	119.4	235.2		133.7	96.8	190.6	
1658	B	150.0	78.7	180.7		121.6	63.8	146.5	
1659	B	188.8	135.3	245.7		153.0	109.7	199.2	
1660	B	283.4	212.9	416.5		229.8	172.6	337.7	
1661	B	250.3	179.8	383.4		202.9	145.8	310.8	
1662	B	180.1	126.6	237.1		146.0	102.7	192.2	
1663	B	180.1	126.7	237.1		146.0	102.7	192.2	
1664	B	174.0	120.6	231.0		141.1	97.7	187.3	
1665	B	187.6	134.2	244.6		152.1	108.8	198.3	
1666	B	149.4	78.2	180.1		121.2	63.4	146.0	
1667	B	124.1	52.8	154.7		100.6	42.8	125.5	
1668	B	123.0	51.7	153.7		99.7	41.9	124.6	
1669	B	150.2	78.9	180.9		121.7	64.0	146.6	
1670	B	68.2	0.0	98.8		55.3	0.0	80.1	
1671	B	212.0	141.4	345.0		171.8	114.7	279.7	
1672	B	229.9	159.4	363.0		186.4	129.2	294.3	
1673	B	241.0	170.5	374.1		195.4	138.2	303.3	
1674	B	242.0	171.5	375.1		196.2	139.1	304.1	
1675	B	179.4	126.0	236.4		145.5	102.1	191.7	
1676	B	97.7	26.4	128.4		79.2	21.4	104.1	
1677	B	273.1	202.6	406.2		221.4	164.2	329.3	
1678	B	194.0	140.6	251.0		157.3	114.0	203.5	
1679	B	167.7	114.3	224.7		136.0	92.7	182.2	
1680	B	524.8	454.3	657.8		425.4	368.3	533.3	
1681	B	428.4	357.9	561.5		347.3	290.2	455.2	
1682	B	205.7	135.2	338.8		166.8	109.6	274.7	
1683	B	282.3	211.8	415.4		228.9	171.7	336.8	
1684	B	65.1	0.0	95.8		52.8	0.0	77.6	
1685	B	43.1	0.0	73.7		34.9	0.0	59.8	
1686	B	180.3	126.9	237.3		146.2	102.9	192.4	
1687	B	427.5	356.9	560.5		346.5	289.4	454.4	
1688	B	224.1	153.6	357.2		181.7	124.5	289.6	
1689	B	284.5	214.0	417.6		230.6	173.5	338.5	
1690	B	247.8	177.2	380.8		200.9	143.7	308.7	
1691	B	190.4	136.9	247.3		154.3	111.0	200.5	
1692	B	278.2	207.6	411.2		225.5	168.3	333.4	
1693	B	235.0	164.5	368.1		190.5	133.3	298.4	
1694	B	143.0	71.8	173.7		116.0	58.2	140.8	
1695	B	224.3	153.8	357.4		181.9	124.7	289.7	
1696	B	113.5	42.2	144.2		92.0	34.3	116.9	
1697	B	179.7	126.2	236.6		145.7	102.3	191.9	

Year	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
1698	B	180.3	126.8	237.2		146.2	102.8	192.3	
1699	B	221.5	151.0	354.6		179.6	122.4	287.4	
1700	B	168.1	114.6	225.0		136.3	92.9	182.4	
1701	B	477.3	406.7	610.3		386.9	329.8	494.8	
1702	B	179.4	125.9	236.3		145.4	102.1	191.6	
1703	B	111.9	40.7	142.6		90.7	33.0	115.6	
1704	B	180.1	126.6	237.0		146.0	102.7	192.2	
1705	B	273.1	202.6	406.2		221.4	164.2	329.3	
1706	B	205.1	134.6	338.2		166.3	109.1	274.2	
1707	B	95.0	23.8	125.7		77.0	19.3	101.9	
1708	B	171.9	118.4	228.8		139.3	96.0	185.5	
1709	B	181.8	128.3	238.8		147.4	104.1	193.6	
1710	B	341.8	271.3	474.9		277.1	219.9	385.0	
1711	B	181.6	128.1	238.6		147.2	103.9	193.4	
1712	B	190.5	137.0	247.5		154.4	111.1	200.6	
1713	B	180.3	126.8	237.2		146.1	102.8	192.3	
1714	B	187.4	134.0	244.4		152.0	108.6	198.1	
1715	B	164.6	111.2	221.6		133.5	90.1	179.7	
1716	B	122.7	51.5	153.4		99.5	41.7	124.4	
1717	B	186.5	133.0	243.5		151.2	107.9	197.4	
1718	B	348.5	277.9	481.5		282.5	225.3	390.4	
1719	B	230.3	159.8	363.4		186.7	129.6	294.6	
1720	B	633.4	562.8	766.4		513.5	456.3	621.4	
1721	B	180.2	126.7	237.2		146.1	102.7	192.3	
1722	B	97.8	26.5	128.4		79.3	21.5	104.1	
1723	B	258.8	188.3	391.9		209.8	152.6	317.7	
1724	B	114.9	43.6	145.5		93.1	35.3	118.0	
1725	B	404.4	333.9	537.5		327.9	270.7	435.8	
1726	B	625.9	555.4	759.0		507.4	450.2	615.3	
1727	B	181.4	128.0	238.4		147.1	103.7	193.3	
1728	B	68.0	0.0	98.7		55.1	0.0	80.0	
1729	B	51.0	0.0	81.7		41.4	0.0	66.3	
1730	B	186.4	133.0	243.4		151.1	107.8	197.3	
1731	B	204.4	133.9	337.5		165.7	108.5	273.6	
1732	B	215.9	145.4	349.0		175.0	117.8	282.9	
1733	B	98.3	27.0	129.0		79.7	21.9	104.6	
1734	B	196.2	142.7	253.1		159.0	115.7	205.2	
1735	B	46.1	0.0	76.8		37.3	0.0	62.2	
1736	B	183.9	130.5	240.9		149.1	105.8	195.3	
1737	B	179.4	125.9	236.4		145.4	102.1	191.6	
1738	B	232.5	162.0	365.6		188.5	131.3	296.4	
1739	B	103.1	31.8	133.8		83.6	25.8	108.5	
1740	B	165.5	112.0	222.4		134.2	90.8	180.3	
1741	B	250.2	179.7	383.3		202.9	145.7	310.8	
1742	B	179.3	125.8	236.2		145.3	102.0	191.5	
1743	B	461.4	390.9	594.5		374.1	316.9	482.0	
1744	B	183.2	129.7	240.1		148.5	105.2	194.7	
1745	B	534.9	464.4	668.0		433.7	376.5	541.6	
1746	B	671.5	601.0	804.6		544.4	487.2	652.3	
1747	B	515.5	445.0	648.6		417.9	360.8	525.8	
1748	B	-7.0	0.0	23.7		-5.7	0.0	19.2	

Year	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
1749	B	753.1	682.5	886.1		610.5	553.3	718.4	
1750	B	116.8	45.5	147.5		94.7	36.9	119.6	
1751	B	167.1	113.7	224.1		135.5	92.2	181.7	
1752	B	83.9	12.6	114.5		68.0	10.2	92.9	
1753	B	178.7	125.2	235.7		144.9	101.5	191.0	
1754	B	182.6	129.1	239.5		148.0	104.7	194.2	
1755	B	150.5	79.2	181.1		122.0	64.2	146.9	
1756	B	188.6	135.1	245.5		152.9	109.5	199.1	
1757	B	179.4	125.9	236.3		145.4	102.1	191.6	
1758	B	249.8	179.3	382.9		202.5	145.3	310.4	
1759	B	232.1	161.5	365.1		188.1	131.0	296.0	
1760	B	212.5	142.0	345.6		172.3	115.1	280.2	
1761	B	152.7	81.4	183.4		123.8	66.0	148.7	
1762	B	235.2	164.6	368.2		190.7	133.5	298.5	
1763	B	154.5	83.2	185.2		125.3	67.5	150.1	
1764	B	638.2	567.7	771.3		517.4	460.2	625.3	
1765	B	179.3	125.8	236.2		145.4	102.0	191.5	
1766	B	687.1	616.6	820.2		557.1	499.9	664.9	
1767	B	180.1	126.6	237.0		146.0	102.6	192.2	
1768	B	235.6	165.0	368.6		191.0	133.8	298.9	
1769	B	183.9	130.4	240.8		149.1	105.7	195.3	
1770	B	179.7	126.2	236.6		145.7	102.3	191.8	
1771	B	333.0	262.4	466.0		269.9	212.8	377.8	
1772	B	180.2	126.7	237.1		146.1	102.7	192.3	
1773	B	28.7	0.0	59.3		23.2	0.0	48.1	
1774	B	188.2	134.8	245.2		152.6	109.3	198.8	
1775	B	217.8	147.3	350.9		176.6	119.4	284.5	
1776	B	180.3	126.8	237.2		146.2	102.8	192.3	
1777	B	164.2	110.8	221.2		133.1	89.8	179.3	
1778	B	118.8	47.5	149.5		96.3	38.5	121.2	
1779	B	184.7	131.2	241.6		149.7	106.4	195.9	
1780	B	113.3	42.0	143.9		91.8	34.0	116.7	
1781	B	185.6	132.1	242.5		150.4	107.1	196.6	
1782	B	98.8	27.5	129.5		80.1	22.3	105.0	
1783	B	314.9	244.4	448.0		255.3	198.1	363.2	
1784	B	737.2	666.7	870.3		597.7	540.5	705.5	
1785	B	123.2	52.0	153.9		99.9	42.1	124.8	
1786	B	174.4	120.9	231.3		141.4	98.0	187.5	
1787	B	530.5	460.0	663.5		430.1	372.9	537.9	
1788	B	94.4	23.2	125.1		76.6	18.8	101.4	
1789	B	155.4	84.1	186.1		126.0	68.2	150.8	
1790	B	179.4	125.9	236.3		145.4	102.1	191.6	
1791	B	529.6	459.1	662.7		429.4	372.2	537.2	
1792	B	281.7	211.1	414.7		228.4	171.2	336.2	
1793	B	674.0	603.5	807.1		546.5	489.3	654.3	
1794	B	111.8	40.5	142.5		90.6	32.9	115.5	
1795	B	206.7	136.2	339.8		167.6	110.4	275.5	
1796	B	179.3	125.9	236.3		145.4	102.0	191.6	
1797	B	184.4	130.9	241.3		149.5	106.1	195.7	
1798	B	179.4	126.0	236.4		145.5	102.1	191.6	
1799	B	244.0	173.5	377.1		197.8	140.6	305.7	

Year	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
1800	B	172.9	119.4	229.8		140.1	96.8	186.3	
1801	B	127.6	56.3	158.2		103.4	45.6	128.3	
1802	B	245.5	175.0	378.5		199.0	141.8	306.9	
1803	B	163.9	110.4	220.8		132.9	89.5	179.0	
1804	B	256.6	186.1	389.7		208.0	150.8	315.9	
1805	B	113.2	42.0	143.9		91.8	34.0	116.7	
1806	B	160.5	107.0	217.4		130.1	86.7	176.3	
1807	B	258.2	187.7	391.3		209.3	152.2	317.2	
1808	B	157.0	85.7	187.6		127.2	69.5	152.1	
1809	B	194.2	140.7	251.1		157.4	114.1	203.6	
1810	B	152.1	80.9	182.8		123.3	65.5	148.2	
1811	B	223.6	153.1	356.7		181.3	124.1	289.2	
1812	B	194.7	141.2	251.6		157.8	114.5	204.0	
1813	B	74.9	3.6	105.5		60.7	2.9	85.6	
1814	B	226.8	156.2	359.8		183.8	126.6	291.7	
1815	B	294.9	224.4	428.0		239.1	181.9	347.0	
1816	B	565.7	495.2	698.8		458.6	401.4	566.5	
1817	B	188.4	134.9	245.3		152.7	109.4	198.9	
1818	B	60.9	0.0	91.6		49.4	0.0	74.2	
1819	B	153.0	81.7	183.6		124.0	66.2	148.9	
1820	B	92.7	21.4	123.3		75.1	17.3	100.0	
1821	B	442.8	372.3	575.9		359.0	301.8	466.9	
1822	B	58.7	0.0	89.4		47.6	0.0	72.5	
1823	B	156.6	85.3	187.3		127.0	69.2	151.8	
1824	B	188.9	135.5	245.9		153.2	109.8	199.3	
1825	B	225.9	155.4	359.0		183.2	126.0	291.0	
1826	B	237.8	167.2	370.8		192.8	135.6	300.6	
1827	B	179.4	126.0	236.4		145.5	102.1	191.6	
1828	B	598.7	528.2	731.8		485.4	428.2	593.2	
1829	B	84.6	13.4	115.3		68.6	10.8	93.5	
1830	B	199.2	145.7	256.1		161.5	118.1	207.6	
1831	B	204.7	134.2	337.8		166.0	108.8	273.9	
1832	B	197.0	143.6	254.0		159.7	116.4	205.9	
1833	B	520.2	449.6	653.2		421.7	364.5	529.6	
1834	B	179.4	125.9	236.3		145.4	102.1	191.6	
1835	B	260.4	189.8	393.4		211.1	153.9	319.0	
1836	B	180.0	126.5	236.9		145.9	102.6	192.1	
1837	B	283.2	212.6	416.2		229.6	172.4	337.5	
1838	B	489.7	419.2	622.8		397.0	339.9	504.9	
1839	B	527.9	457.3	660.9		428.0	370.8	535.8	
1840	B	274.1	203.5	407.1		222.2	165.0	330.1	
1841	B	126.9	55.7	157.6		102.9	45.1	127.8	
1842	B	99.7	28.5	130.4		80.8	23.1	105.7	
1843	B	181.6	128.2	238.6		147.3	103.9	193.4	
1844	B	439.3	368.7	572.3		356.1	298.9	464.0	
1845	B	78.1	6.8	108.8		63.3	5.5	88.2	
1846	B	250.3	179.8	383.4		202.9	145.7	310.8	
1847	B	29.8	0.0	60.5		24.2	0.0	49.1	
1848	B	613.2	542.7	746.2		497.1	439.9	605.0	
1849	B	721.7	651.2	854.8		585.1	527.9	693.0	
1850	B	304.2	233.7	437.3		246.6	189.4	354.5	

Year	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
1851	B	94.5	23.2	125.2		76.6	18.8	101.5	
1852	B	383.2	312.7	516.3		310.7	253.5	418.6	
1853	B	206.8	136.3	339.9		167.7	110.5	275.5	
1854	B	179.3	125.8	236.2		145.3	102.0	191.5	
1855	B	217.0	146.5	350.1		175.9	118.8	283.8	
1856	B	198.6	145.1	255.6		161.0	117.7	207.2	
1857	B	82.0	10.7	112.7		66.5	8.7	91.3	
1858	B	263.1	192.6	396.2		213.3	156.1	321.2	
1859	B	159.4	106.0	216.4		129.3	85.9	175.4	
1860	B	181.5	128.1	238.5		147.2	103.8	193.3	
1861	B	70.6	0.0	101.3		57.3	0.0	82.1	
1862	B	763.6	693.1	896.7		619.1	561.9	727.0	
1863	B	167.8	114.3	224.7		136.0	92.7	182.2	
1864	B	84.6	13.4	115.3		68.6	10.8	93.5	
1865	B	373.0	302.4	506.0		302.4	245.2	410.2	
1866	B	755.9	685.4	889.0		612.8	555.7	720.7	
1867	B	274.4	203.9	407.5		222.5	165.3	330.3	
1868	B	625.0	554.5	758.1		506.7	449.5	614.6	
1869	B	237.2	166.6	370.2		192.3	135.1	300.2	
1870	B	96.8	25.5	127.5		78.5	20.7	103.3	
1871	B	89.7	18.4	120.4		72.7	14.9	97.6	
1872	B	179.1	125.7	236.1		145.2	101.9	191.4	
1873	B	152.6	81.3	183.2		123.7	65.9	148.6	
1874	B	273.3	202.8	406.4		221.6	164.4	329.4	
1875	B	188.7	135.2	245.6		153.0	109.6	199.1	
1876	B	165.6	112.1	222.5		134.2	90.9	180.4	
1877	B	205.8	135.2	338.8		166.8	109.6	274.7	
1878	B	223.8	153.3	356.9		181.5	124.3	289.3	
1879	B	107.4	36.1	138.0		87.0	29.3	111.9	
1880	B	171.5	118.0	228.4		139.0	95.7	185.2	
1881	B	135.0	63.7	165.7		109.4	51.7	134.3	
1882	B	166.9	113.5	223.9		135.3	92.0	181.5	
1883	B	163.4	109.9	220.3		132.4	89.1	178.6	
1884	B	321.6	251.1	454.7		260.8	203.6	368.6	
1885	B	256.7	186.2	389.8		208.1	150.9	316.0	
1886	B	180.0	126.6	237.0		146.0	102.6	192.1	
1887	B	106.0	34.7	136.7		85.9	28.2	110.8	
1888	B	291.4	220.9	424.5		236.3	179.1	344.1	
1889	B	247.0	176.5	380.1		200.2	143.1	308.1	
1890	B	307.4	236.9	440.5		249.2	192.0	357.1	
1891	B	244.3	173.8	377.4		198.1	140.9	305.9	
1892	B	209.9	139.3	342.9		170.1	113.0	278.0	
1893	B	111.3	40.0	141.9		90.2	32.4	115.1	
1894	B	99.3	28.1	130.0		80.5	22.8	105.4	
1895	B	247.0	176.4	380.0		200.2	143.0	308.1	
1896	B	115.6	44.4	146.3		93.8	36.0	118.6	
1897	B	397.9	327.4	531.0		322.6	265.4	430.5	
1898	B	208.8	138.2	341.8		169.3	112.1	277.1	
1899	B	42.9	0.0	73.5		34.7	0.0	59.6	
1900	B	179.4	126.0	236.4		145.5	102.1	191.6	
1901	B	186.2	132.8	243.2		151.0	107.6	197.2	

Year	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
1902	B	67.7	0.0	98.4		54.9	0.0	79.8	
1903	B	317.6	247.1	450.7		257.5	200.3	365.4	
1904	B	42.9	0.0	73.6		34.8	0.0	59.7	
1905	B	660.6	590.0	793.6		535.5	478.4	643.4	
1906	B	337.9	267.3	470.9		273.9	216.7	381.8	
1907	B	532.8	462.3	665.9		431.9	374.8	539.8	
1908	B	221.8	151.3	354.9		179.8	122.6	287.7	
1909	B	295.3	224.8	428.4		239.4	182.2	347.3	
1910	B	186.7	133.2	243.6		151.3	108.0	197.5	
1911	B	275.9	205.4	409.0		223.7	166.5	331.6	
1912	B	265.7	195.2	398.8		215.4	158.2	323.3	
1913	B	179.3	125.8	236.2		145.3	102.0	191.5	
1914	B	411.5	341.0	544.6		333.6	276.5	441.5	
1915	B	379.8	309.3	512.9		307.9	250.7	415.8	
1916	B	326.4	255.9	459.4		264.6	207.4	372.5	
1917	B	287.9	217.4	421.0		233.4	176.2	341.3	
1918	B	134.2	62.9	164.8		108.8	51.0	133.6	
1919	B	339.8	269.3	472.9		275.5	218.3	383.4	
1920	B	492.5	422.0	625.6		399.3	342.1	507.2	
1921	B	179.1	125.7	236.1		145.2	101.9	191.4	
1922	B	265.4	194.9	398.5		215.2	158.0	323.0	
1923	B	179.7	126.2	236.6		145.7	102.3	191.8	
1924	B	192.9	139.5	249.9		156.4	113.1	202.6	
1925	B	129.8	58.5	160.5		105.2	47.4	130.1	
1926	B	277.9	207.4	411.0		225.3	168.1	333.2	
1927	B	217.6	147.0	350.6		176.4	119.2	284.3	
1928	B	180.1	126.7	237.1		146.0	102.7	192.2	
1929	B	179.2	125.8	236.2		145.3	102.0	191.5	
1930	B	195.0	141.5	251.9		158.1	114.7	204.3	
1931	B	179.9	126.5	236.9		145.9	102.5	192.0	
1932	B	370.5	299.9	503.5		300.4	243.2	408.2	
1933	B	195.5	142.0	252.4		158.5	115.1	204.7	
1934	B	93.6	22.4	124.3		75.9	18.1	100.8	
1935	B	212.6	142.1	345.7		172.4	115.2	280.3	
1936	B	162.7	109.2	219.6	272.8	131.9	88.5	178.1	221.2
1937	B	303.5	233.0	436.6	293.8	246.1	188.9	353.9	238.2
1938	B	183.1	129.6	240.0	104.1	148.4	105.1	194.6	84.4
1939	B	144.2	73.0	174.9	74.9	116.9	59.2	141.8	60.7
1940	B	179.9	126.5	236.9	293.7	145.9	102.5	192.0	238.1
1941	B	628.5	558.0	761.6	718.3	509.5	452.4	617.4	582.4
1942	B	207.8	137.2	340.8	100.6	168.5	111.3	276.3	81.6
1943	B	142.8	71.6	173.5	135.2	115.8	58.0	140.7	109.6
1944	B	188.9	135.5	245.9	102.2	153.2	109.8	199.4	82.9
1945	B	179.4	126.0	236.4	230.9	145.5	102.1	191.7	187.2
1946	B	110.7	39.4	141.4	316.4	89.8	32.0	114.6	256.5
1947	B	179.9	126.4	236.8	195.9	145.8	102.5	192.0	158.8
1948	B	199.3	145.8	256.2	248.0	161.6	118.2	207.7	201.1
1949	B	416.7	346.2	549.8	354.3	337.8	280.6	445.7	287.3
1950	B	103.1	31.9	133.8	58.0	83.6	25.8	108.5	47.1
1951	B	57.2	0.0	87.9	61.9	46.4	0.0	71.2	50.2
1952	B	598.7	528.2	731.8	434.8	485.4	428.2	593.3	352.5

Year	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
1953	B	113.1	41.9	143.8	72.5	91.7	33.9	116.6	58.8
1954	B	165.8	112.3	222.7	133.9	134.4	91.0	180.6	108.5
1955	B	154.5	83.3	185.2	241.2	125.3	67.5	150.2	195.5
1956	B	103.1	31.8	133.8	23.8	83.6	25.8	108.4	19.3
1957	B	255.4	184.8	388.4	215.8	207.0	149.8	314.9	175.0
1958	B	200.2	146.8	257.2	206.3	162.3	119.0	208.5	167.2
1959	B	64.8	0.0	95.4	63.4	52.5	0.0	77.4	51.4
1960	B	222.1	151.6	355.2	239.5	180.1	122.9	288.0	194.2
1961	B	138.8	67.6	169.5	47.8	112.5	54.8	137.4	38.7
1962	B	185.8	132.4	242.8	194.6	150.7	107.3	196.8	157.8
1963	B	113.5	42.3	144.2	103.9	92.0	34.3	116.9	84.3
1964	B	162.5	109.1	219.5	210.8	131.8	88.4	177.9	170.9
1965	B	484.1	413.6	617.2	278.6	392.5	335.3	500.4	225.9
1966	B	189.9	136.4	246.9	249.8	154.0	110.6	200.1	202.5
1967	B	131.4	60.1	162.1	234.9	106.5	48.8	131.4	190.4
1968	B	200.2	146.7	257.1	263.7	162.3	118.9	208.4	213.8
1969	B	201.2	130.6	334.2	172.5	163.1	105.9	271.0	139.9
1970	B	179.3	125.9	236.3	99.5	145.4	102.0	191.6	80.6
1971	B	83.0	11.7	113.7	95.8	67.3	9.5	92.2	77.7
1972	B	183.5	130.0	240.4	163.5	148.7	105.4	194.9	132.6
1973	B	573.1	502.6	706.2	1006.4	464.6	407.4	572.5	815.9
1974	B	105.1	33.8	135.8	34.8	85.2	27.4	110.1	28.2
1975	B	331.8	261.2	464.8	138.7	269.0	211.8	376.9	112.4
1976	B	180.1	126.7	237.1	132.7	146.0	102.7	192.2	107.6
1977	B	64.2	0.0	94.9	85.8	52.1	0.0	76.9	69.6
1978	B	373.1	302.6	506.2	220.6	302.5	245.3	410.4	178.8
1979	B	611.4	540.9	744.5	583.0	495.7	438.5	603.5	472.7
1980	B	283.1	212.6	416.2	411.2	229.6	172.4	337.4	333.4
1981	B	149.3	78.0	180.0	50.7	121.0	63.2	145.9	41.1
1982	B	282.8	212.3	415.9	280.7	229.3	172.1	337.2	227.5
1983	B	437.6	367.1	570.7	398.7	354.8	297.6	462.7	323.3
1984	C	168.8	104.3	241.9	262.1	136.8	84.6	196.1	212.5
1985	C	495.6	371.5	630.7	338.8	401.8	301.2	511.3	274.7
1986	C	233.1	109.0	368.1	119.5	189.0	88.3	298.5	96.9
1987	C	338.1	214.0	473.2	199.8	274.1	173.5	383.6	162.0
1988	C	271.9	147.8	406.9	223.4	220.4	119.8	329.9	181.1
1989	C	105.1	70.8	218.0	45.0	85.2	57.4	176.7	36.5
1990	C	90.2	55.9	203.1	44.6	73.1	45.4	164.6	36.1
1991	C	213.8	89.7	348.8	153.7	173.3	72.7	282.8	124.6
1992	C	536.8	412.7	671.9	266.8	435.2	334.6	544.7	216.3
1993	C	320.2	196.1	455.3	733.3	259.6	159.0	369.1	594.5
1994	C	129.9	95.7	242.8	97.6	105.3	77.6	196.8	79.1
1995	C	210.3	145.9	283.5	224.4	170.5	118.3	229.8	181.9
1996	C	57.0	22.7	169.9	21.0	46.2	18.4	137.7	17.1
1997	C	416.7	292.5	551.7	80.9	337.8	237.2	447.3	65.6
1998	C	189.6	125.1	262.7	161.3	153.7	101.4	213.0	130.7
1999	C	214.8	90.7	349.8	133.7	174.1	73.5	283.6	108.4
2000	C	133.2	98.9	246.1	12.6	108.0	80.2	199.5	10.2
2001	C	169.3	104.8	242.4	102.2	137.2	85.0	196.5	82.9
2002	C	53.9	19.6	166.7	92.0	43.7	15.9	135.2	74.6
2003	C	211.0	146.6	284.1	50.5	171.1	118.8	230.4	40.9

Year	Model	Rec (mcm)	Lower_50	Upper 50	Obs	Rec (kaf)	Lower_50	Upper 50	Obs
2004	C	161.5	97.1	234.6	65.4	130.9	78.7	190.2	53.0
2005	C	210.7	146.3	283.9	351.5	170.9	118.6	230.2	285.0
2006	C	104.4	70.1	217.2	96.7	84.6	56.8	176.1	78.4
2007	C	183.6	119.2	256.8	136.7	148.9	96.6	208.2	110.8
2008	C	199.1	134.7	272.3	254.4	161.5	109.2	220.8	206.2

G.3 Paria River Watershed Reconstruction

Watershed: Paria River
Reconstruction type: precipitation
Season: winter (previous Oct - current Apr)
Reconstruction units: mm & in

Year: current year
Model: letter indicating subperiod model used for each year of reconstruction (see Table C.4)
Rec (units): reconstructed precipitation in mm & in
Lower_50: lower bound of 50% CI on reconstruction (from median(negative residuals)
Upper 50: upper bound of 50% CI on reconstruction (from median(positive residuals)
Obs: Average depth of prcp (mm & in) over target watershed based on PRISM data

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1550	1	183	148	224		7.2	5.8	8.8	
1551	1	167	142	186		6.6	5.6	7.3	
1552	1	172	137	213		6.8	5.4	8.4	
1553	1	238	207	267		9.4	8.2	10.5	
1554	1	180	146	222		7.1	5.7	8.7	
1555	1	196	161	237		7.7	6.3	9.3	
1556	1	243	212	271		9.5	8.3	10.7	
1557	1	163	138	181		6.4	5.4	7.1	
1558	1	116	91	134		4.6	3.6	5.3	
1559	1	165	140	183		6.5	5.5	7.2	
1560	1	195	161	237		7.7	6.3	9.3	
1561	1	195	161	237		7.7	6.3	9.3	
1562	1	179	145	221		7.1	5.7	8.7	
1563	1	120	96	139		4.7	3.8	5.5	
1564	1	220	189	248		8.6	7.4	9.8	
1565	1	177	142	218		7.0	5.6	8.6	
1566	1	159	134	177		6.3	5.3	7.0	
1567	1	163	139	182		6.4	5.5	7.2	
1568	1	196	161	237		7.7	6.3	9.3	
1569	1	181	146	223		7.1	5.8	8.8	
1570	1	171	136	212		6.7	5.4	8.4	
1571	1	157	132	176		6.2	5.2	6.9	
1572	1	149	125	168		5.9	4.9	6.6	
1573	1	170	135	212		6.7	5.3	8.3	
1574	1	178	144	220		7.0	5.7	8.7	
1575	1	180	146	222		7.1	5.7	8.7	
1576	1	180	145	222		7.1	5.7	8.7	
1577	1	184	150	226		7.2	5.9	8.9	
1578	1	170	135	212		6.7	5.3	8.3	
1579	1	132	107	151		5.2	4.2	5.9	
1580	1	119	94	138		4.7	3.7	5.4	
1581	1	227	196	256		9.0	7.7	10.1	
1582	1	239	208	267		9.4	8.2	10.5	
1583	1	174	140	216		6.8	5.5	8.5	
1584	1	91	66	110		3.6	2.6	4.3	
1585	1	119	95	138		4.7	3.7	5.4	
1586	1	241	210	269		9.5	8.2	10.6	
1587	1	247	216	275		9.7	8.5	10.8	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1588	1	241	210	270		9.5	8.3	10.6	
1589	1	210	179	238		8.3	7.0	9.4	
1590	1	111	87	130		4.4	3.4	5.1	
1591	1	171	136	213		6.7	5.4	8.4	
1592	1	169	135	211		6.7	5.3	8.3	
1593	1	258	227	286		10.1	8.9	11.3	
1594	1	252	221	281		9.9	8.7	11.0	
1595	1	179	145	221		7.1	5.7	8.7	
1596	1	179	145	221		7.1	5.7	8.7	
1597	1	179	145	221		7.1	5.7	8.7	
1598	1	171	137	213		6.7	5.4	8.4	
1599	1	238	207	266		9.4	8.1	10.5	
1600	1	86	62	105		3.4	2.4	4.1	
1601	1	184	149	225		7.2	5.9	8.9	
1602	1	251	220	279		9.9	8.6	11.0	
1603	1	178	143	220		7.0	5.6	8.7	
1604	1	238	207	267		9.4	8.2	10.5	
1605	1	199	164	241		7.8	6.5	9.5	
1606	1	128	103	147		5.0	4.1	5.8	
1607	1	180	145	221		7.1	5.7	8.7	
1608	1	208	177	237		8.2	7.0	9.3	
1609	1	201	166	242		7.9	6.5	9.5	
1610	1	165	140	183		6.5	5.5	7.2	
1611	3	175	138	218		6.9	5.5	8.6	
1612	3	184	147	227		7.2	5.8	8.9	
1613	3	123	102	144		4.9	4.0	5.7	
1614	3	193	157	236		7.6	6.2	9.3	
1615	3	234	191	271		9.2	7.5	10.7	
1616	3	161	140	181		6.3	5.5	7.1	
1617	3	195	159	238		7.7	6.3	9.4	
1618	3	191	154	233		7.5	6.1	9.2	
1619	3	186	149	228		7.3	5.9	9.0	
1620	3	231	189	268		9.1	7.4	10.6	
1621	3	244	202	281		9.6	7.9	11.1	
1622	3	122	101	143		4.8	4.0	5.6	
1623	3	118	97	139		4.7	3.8	5.5	
1624	3	120	99	141		4.7	3.9	5.5	
1625	3	218	175	254		8.6	6.9	10.0	
1626	3	111	90	131		4.4	3.5	5.2	
1627	3	194	158	237		7.6	6.2	9.3	
1628	3	155	134	176		6.1	5.3	6.9	
1629	3	180	144	223		7.1	5.7	8.8	
1630	3	139	118	160		5.5	4.7	6.3	
1631	3	132	111	152		5.2	4.4	6.0	
1632	3	100	79	121		3.9	3.1	4.8	
1633	3	254	211	291		10.0	8.3	11.5	
1634	2	163	130	196		6.4	5.1	7.7	
1635	2	268	227	305		10.5	8.9	12.0	
1636	2	192	159	226		7.6	6.3	8.9	
1637	2	117	95	144		4.6	3.7	5.7	
1638	2	137	115	164		5.4	4.5	6.4	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1639	2	192	159	225		7.6	6.3	8.9	
1640	2	296	254	333		11.6	10.0	13.1	
1641	2	178	145	211		7.0	5.7	8.3	
1642	2	163	129	196		6.4	5.1	7.7	
1643	2	184	151	217		7.2	5.9	8.5	
1644	2	187	154	221		7.4	6.1	8.7	
1645	2	161	127	194		6.3	5.0	7.6	
1646	2	173	139	206		6.8	5.5	8.1	
1647	2	244	203	281		9.6	8.0	11.1	
1648	2	127	105	154		5.0	4.1	6.1	
1649	2	265	224	302		10.4	8.8	11.9	
1650	2	142	120	169		5.6	4.7	6.7	
1651	2	276	235	314		10.9	9.3	12.4	
1652	2	147	125	173		5.8	4.9	6.8	
1653	2	181	148	214		7.1	5.8	8.4	
1654	2	70	48	97		2.8	1.9	3.8	
1655	2	192	159	225		7.5	6.2	8.8	
1656	2	240	199	277		9.4	7.8	10.9	
1657	2	200	166	233		7.9	6.6	9.2	
1658	2	166	133	199		6.5	5.2	7.8	
1659	2	175	142	208		6.9	5.6	8.2	
1660	2	209	168	247		8.2	6.6	9.7	
1661	2	192	158	225		7.5	6.2	8.8	
1662	2	188	154	221		7.4	6.1	8.7	
1663	2	150	128	177		5.9	5.0	7.0	
1664	2	222	181	260		8.8	7.1	10.2	
1665	2	142	120	169		5.6	4.7	6.6	
1666	2	189	156	222		7.4	6.1	8.7	
1667	2	129	107	155		5.1	4.2	6.1	
1668	2	151	129	177		5.9	5.1	7.0	
1669	2	129	107	156		5.1	4.2	6.1	
1670	2	86	64	112		3.4	2.5	4.4	
1671	2	244	203	282		9.6	8.0	11.1	
1672	2	205	163	242		8.1	6.4	9.5	
1673	2	240	199	277		9.4	7.8	10.9	
1674	2	265	224	303		10.4	8.8	11.9	
1675	2	137	116	164		5.4	4.5	6.5	
1676	2	153	131	180		6.0	5.2	7.1	
1677	2	247	206	284		9.7	8.1	11.2	
1678	2	190	157	223		7.5	6.2	8.8	
1679	2	164	131	197		6.5	5.1	7.8	
1680	2	248	207	285		9.8	8.1	11.2	
1681	2	236	195	274		9.3	7.7	10.8	
1682	2	183	150	216		7.2	5.9	8.5	
1683	2	192	158	225		7.5	6.2	8.8	
1684	2	116	94	143		4.6	3.7	5.6	
1685	2	119	97	145		4.7	3.8	5.7	
1686	2	93	71	120		3.7	2.8	4.7	
1687	2	285	244	322		11.2	9.6	12.7	
1688	2	244	203	281		9.6	8.0	11.1	
1689	2	219	178	256		8.6	7.0	10.1	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1690	2	158	136	185		6.2	5.4	7.3	
1691	2	179	146	212		7.1	5.8	8.4	
1692	2	245	203	282		9.6	8.0	11.1	
1693	2	160	138	187		6.3	5.4	7.4	
1694	2	173	139	206		6.8	5.5	8.1	
1695	2	178	145	211		7.0	5.7	8.3	
1696	2	164	131	197		6.5	5.2	7.8	
1697	2	181	148	214		7.1	5.8	8.4	
1698	2	114	92	141		4.5	3.6	5.6	
1699	2	184	151	217		7.2	5.9	8.5	
1700	2	165	132	198		6.5	5.2	7.8	
1701	2	245	204	282		9.7	8.0	11.1	
1702	2	177	144	210		7.0	5.7	8.3	
1703	2	86	65	113		3.4	2.5	4.5	
1704	2	222	181	259		8.7	7.1	10.2	
1705	2	248	207	285		9.8	8.1	11.2	
1706	2	154	132	181		6.1	5.2	7.1	
1707	2	92	70	119		3.6	2.8	4.7	
1708	2	162	128	195		6.4	5.1	7.7	
1709	2	138	116	164		5.4	4.6	6.5	
1710	2	251	210	289		9.9	8.3	11.4	
1711	2	174	141	207		6.8	5.5	8.1	
1712	2	188	155	221		7.4	6.1	8.7	
1713	2	163	129	196		6.4	5.1	7.7	
1714	2	187	154	220		7.4	6.1	8.7	
1715	2	141	119	167		5.5	4.7	6.6	
1716	2	159	137	186		6.3	5.4	7.3	
1717	2	156	135	183		6.2	5.3	7.2	
1718	2	270	229	308		10.6	9.0	12.1	
1719	2	265	224	302		10.4	8.8	11.9	
1720	2	288	247	325		11.3	9.7	12.8	
1721	2	161	127	194		6.3	5.0	7.6	
1722	2	88	66	114		3.5	2.6	4.5	
1723	2	246	205	283		9.7	8.1	11.1	
1724	2	260	219	297		10.2	8.6	11.7	
1725	2	253	212	290		10.0	8.3	11.4	
1726	2	245	204	283		9.7	8.0	11.1	
1727	2	166	133	199		6.5	5.2	7.8	
1728	2	150	128	177		5.9	5.0	7.0	
1729	2	68	46	95		2.7	1.8	3.7	
1730	2	188	155	222		7.4	6.1	8.7	
1731	2	203	170	236		8.0	6.7	9.3	
1732	2	165	132	198		6.5	5.2	7.8	
1733	2	154	132	181		6.1	5.2	7.1	
1734	2	245	203	282		9.6	8.0	11.1	
1735	2	64	42	91		2.5	1.7	3.6	
1736	2	133	111	159		5.2	4.4	6.3	
1737	2	162	129	195		6.4	5.1	7.7	
1738	2	293	252	330		11.5	9.9	13.0	
1739	2	140	118	167		5.5	4.7	6.6	
1740	2	158	136	185		6.2	5.4	7.3	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1741	2	236	195	273		9.3	7.7	10.8	
1742	2	117	95	144		4.6	3.7	5.7	
1743	2	285	244	322		11.2	9.6	12.7	
1744	2	192	158	225		7.5	6.2	8.8	
1745	2	193	159	226		7.6	6.3	8.9	
1746	2	261	220	298		10.3	8.7	11.7	
1747	2	279	238	316		11.0	9.4	12.5	
1748	2	91	70	118		3.6	2.7	4.7	
1749	2	225	184	262		8.9	7.2	10.3	
1750	2	144	122	170		5.7	4.8	6.7	
1751	2	153	131	180		6.0	5.2	7.1	
1752	2	144	122	171		5.7	4.8	6.7	
1753	2	170	136	203		6.7	5.4	8.0	
1754	2	160	138	187		6.3	5.4	7.3	
1755	2	133	111	160		5.2	4.4	6.3	
1756	2	163	130	196		6.4	5.1	7.7	
1757	2	169	135	202		6.6	5.3	7.9	
1758	2	201	168	234		7.9	6.6	9.2	
1759	2	222	180	259		8.7	7.1	10.2	
1760	2	190	157	223		7.5	6.2	8.8	
1761	2	120	98	146		4.7	3.8	5.8	
1762	2	168	135	201		6.6	5.3	7.9	
1763	2	129	107	156		5.1	4.2	6.1	
1764	2	270	229	307		10.6	9.0	12.1	
1765	2	174	141	207		6.8	5.5	8.1	
1766	2	259	218	296		10.2	8.6	11.7	
1767	2	253	212	290		9.9	8.3	11.4	
1768	2	210	169	247		8.3	6.6	9.7	
1769	2	189	156	222		7.5	6.1	8.8	
1770	2	163	130	196		6.4	5.1	7.7	
1771	2	218	177	255		8.6	7.0	10.0	
1772	2	148	127	175		5.8	5.0	6.9	
1773	2	79	58	106		3.1	2.3	4.2	
1774	2	155	133	182		6.1	5.2	7.2	
1775	2	259	218	296		10.2	8.6	11.7	
1776	2	163	130	196		6.4	5.1	7.7	
1777	2	151	129	178		5.9	5.1	7.0	
1778	2	165	132	198		6.5	5.2	7.8	
1779	2	166	133	199		6.5	5.2	7.8	
1780	2	95	73	122		3.7	2.9	4.8	
1781	2	170	137	204		6.7	5.4	8.0	
1782	2	125	103	152		4.9	4.1	6.0	
1783	2	221	180	258		8.7	7.1	10.2	
1784	2	265	223	302		10.4	8.8	11.9	
1785	2	126	104	153		5.0	4.1	6.0	
1786	2	161	127	194		6.3	5.0	7.6	
1787	2	275	234	312		10.8	9.2	12.3	
1788	2	117	95	144		4.6	3.7	5.7	
1789	2	113	91	140		4.5	3.6	5.5	
1790	2	191	158	224		7.5	6.2	8.8	
1791	2	280	239	317		11.0	9.4	12.5	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1792	2	245	204	283		9.7	8.0	11.1	
1793	2	232	191	269		9.1	7.5	10.6	
1794	2	143	121	170		5.6	4.8	6.7	
1795	2	193	160	226		7.6	6.3	8.9	
1796	2	147	125	173		5.8	4.9	6.8	
1797	2	223	182	260		8.8	7.2	10.2	
1798	2	150	128	177		5.9	5.1	7.0	
1799	2	189	156	222		7.4	6.1	8.7	
1800	2	134	112	161		5.3	4.4	6.3	
1801	2	164	131	198		6.5	5.2	7.8	
1802	2	255	214	293		10.1	8.4	11.5	
1803	2	156	134	182		6.1	5.3	7.2	
1804	2	188	155	221		7.4	6.1	8.7	
1805	2	128	106	155		5.0	4.2	6.1	
1806	2	211	170	248		8.3	6.7	9.8	
1807	2	198	165	231		7.8	6.5	9.1	
1808	2	133	111	160		5.2	4.4	6.3	
1809	2	167	134	200		6.6	5.3	7.9	
1810	2	194	160	227		7.6	6.3	8.9	
1811	2	254	213	292		10.0	8.4	11.5	
1812	2	164	131	197		6.5	5.2	7.8	
1813	2	86	64	113		3.4	2.5	4.4	
1814	2	209	167	246		8.2	6.6	9.7	
1815	2	186	153	219		7.3	6.0	8.6	
1816	2	274	232	311		10.8	9.2	12.2	
1817	2	202	169	235		8.0	6.7	9.3	
1818	2	119	97	146		4.7	3.8	5.7	
1819	2	269	228	307		10.6	9.0	12.1	
1820	2	98	76	125		3.9	3.0	4.9	
1821	2	277	236	315		10.9	9.3	12.4	
1822	2	106	84	133		4.2	3.3	5.2	
1823	2	165	132	199		6.5	5.2	7.8	
1824	2	148	126	175		5.8	5.0	6.9	
1825	2	214	173	251		8.4	6.8	9.9	
1826	2	201	168	234		7.9	6.6	9.2	
1827	2	156	134	183		6.2	5.3	7.2	
1828	2	284	243	321		11.2	9.6	12.7	
1829	2	118	96	145		4.6	3.8	5.7	
1830	2	169	136	202		6.7	5.4	8.0	
1831	2	156	134	183		6.1	5.3	7.2	
1832	2	265	224	302		10.4	8.8	11.9	
1833	2	209	168	246		8.2	6.6	9.7	
1834	2	173	140	206		6.8	5.5	8.1	
1835	2	201	168	234		7.9	6.6	9.2	
1836	2	180	147	213		7.1	5.8	8.4	
1837	2	192	158	225		7.5	6.2	8.8	
1838	2	250	209	287		9.8	8.2	11.3	
1839	2	225	184	262		8.8	7.2	10.3	
1840	2	201	168	234		7.9	6.6	9.2	
1841	2	107	85	134		4.2	3.3	5.3	
1842	2	158	136	184		6.2	5.3	7.3	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1843	2	190	157	223		7.5	6.2	8.8	
1844	2	206	164	243		8.1	6.5	9.6	
1845	2	107	85	133		4.2	3.3	5.3	
1846	2	190	157	223		7.5	6.2	8.8	
1847	2	74	52	101		2.9	2.1	4.0	
1848	2	276	235	313		10.9	9.2	12.3	
1849	2	291	250	328		11.4	9.8	12.9	
1850	2	212	171	249		8.3	6.7	9.8	
1851	2	166	133	199		6.5	5.2	7.9	
1852	2	201	168	234		7.9	6.6	9.2	
1853	2	236	194	273		9.3	7.7	10.7	
1854	2	159	137	185		6.2	5.4	7.3	
1855	2	167	134	200		6.6	5.3	7.9	
1856	2	112	90	139		4.4	3.5	5.5	
1857	2	105	83	132		4.1	3.3	5.2	
1858	2	161	128	194		6.3	5.0	7.6	
1859	2	160	138	187		6.3	5.4	7.4	
1860	2	137	115	164		5.4	4.5	6.4	
1861	2	107	85	134		4.2	3.4	5.3	
1862	2	304	263	341		12.0	10.3	13.4	
1863	2	153	131	180		6.0	5.2	7.1	
1864	2	104	82	131		4.1	3.2	5.2	
1865	2	234	192	271		9.2	7.6	10.7	
1866	2	276	235	313		10.9	9.2	12.3	
1867	2	203	169	236		8.0	6.7	9.3	
1868	2	283	242	320		11.1	9.5	12.6	
1869	2	232	191	269		9.1	7.5	10.6	
1870	2	122	101	149		4.8	4.0	5.9	
1871	2	106	85	133		4.2	3.3	5.2	
1872	2	179	146	212		7.0	5.7	8.4	
1873	2	144	122	171		5.7	4.8	6.7	
1874	2	207	166	244		8.2	6.5	9.6	
1875	2	185	152	218		7.3	6.0	8.6	
1876	2	153	131	180		6.0	5.2	7.1	
1877	2	171	137	204		6.7	5.4	8.0	
1878	2	161	128	194		6.3	5.0	7.6	
1879	2	111	89	138		4.4	3.5	5.4	
1880	2	166	133	199		6.5	5.2	7.8	
1881	2	147	126	174		5.8	4.9	6.9	
1882	2	100	78	127		3.9	3.1	5.0	
1883	2	109	87	136		4.3	3.4	5.4	
1884	2	284	243	322		11.2	9.6	12.7	
1885	2	271	230	308		10.7	9.1	12.1	
1886	2	177	144	210		7.0	5.7	8.3	
1887	2	163	130	196		6.4	5.1	7.7	
1888	2	208	167	246		8.2	6.6	9.7	
1889	2	222	181	259		8.7	7.1	10.2	
1890	2	287	246	324		11.3	9.7	12.8	
1891	2	240	198	277		9.4	7.8	10.9	
1892	2	194	161	227		7.6	6.3	8.9	
1893	2	128	106	155		5.1	4.2	6.1	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1894	2	111	89	138		4.4	3.5	5.4	
1895	2	183	150	216		7.2	5.9	8.5	
1896	2	86	64	113		3.4	2.5	4.4	
1897	2	269	228	306		10.6	9.0	12.0	
1898	2	240	199	278		9.5	7.8	10.9	
1899	2	62	40	89		2.4	1.6	3.5	
1900	2	180	147	214		7.1	5.8	8.4	
1901	2	167	134	200	182	6.6	5.3	7.9	7.2
1902	2	102	80	129	127	4.0	3.2	5.1	5.0
1903	2	218	177	255	177	8.6	7.0	10.0	7.0
1904	2	131	109	157	37	5.1	4.3	6.2	1.5
1905	2	224	183	262	191	8.8	7.2	10.3	7.5
1906	2	260	219	297	257	10.2	8.6	11.7	10.1
1907	2	276	235	313	275	10.9	9.2	12.3	10.8
1908	2	204	163	242	162	8.0	6.4	9.5	6.4
1909	2	193	160	226	162	7.6	6.3	8.9	6.4
1910	2	250	209	288	225	9.9	8.2	11.3	8.9
1911	2	266	225	303	212	10.5	8.9	11.9	8.3
1912	2	194	161	227	133	7.6	6.3	8.9	5.2
1913	2	202	169	235	171	7.9	6.6	9.2	6.7
1914	2	263	222	301	199	10.4	8.8	11.8	7.8
1915	2	181	148	214	221	7.1	5.8	8.4	8.7
1916	2	187	154	220	250	7.4	6.1	8.7	9.8
1917	2	251	210	288	262	9.9	8.2	11.3	10.3
1918	2	152	130	179	105	6.0	5.1	7.0	4.1
1919	2	168	135	201	156	6.6	5.3	7.9	6.1
1920	2	183	150	216	228	7.2	5.9	8.5	9.0
1921	2	188	155	221	164	7.4	6.1	8.7	6.5
1922	2	202	169	235	232	8.0	6.6	9.3	9.1
1923	2	173	139	206	180	6.8	5.5	8.1	7.1
1924	2	134	112	161	132	5.3	4.4	6.3	5.2
1925	2	139	118	166	151	5.5	4.6	6.5	5.9
1926	2	212	171	249	216	8.3	6.7	9.8	8.5
1927	2	157	135	184	203	6.2	5.3	7.2	8.0
1928	2	194	161	228	139	7.7	6.4	9.0	5.5
1929	2	143	122	170	167	5.6	4.8	6.7	6.6
1930	2	167	134	200	97	6.6	5.3	7.9	3.8
1931	2	135	113	162	115	5.3	4.4	6.4	4.5
1932	2	248	207	285	247	9.8	8.1	11.2	9.7
1933	2	160	138	186	116	6.3	5.4	7.3	4.6
1934	2	117	96	144	122	4.6	3.8	5.7	4.8
1935	2	186	153	220	228	7.3	6.0	8.6	9.0
1936	2	116	94	143	142	4.6	3.7	5.6	5.6
1937	2	259	217	296	294	10.2	8.6	11.6	11.6
1938	2	195	162	229	229	7.7	6.4	9.0	9.0
1939	2	146	124	172	180	5.7	4.9	6.8	7.1
1940	2	167	134	200	135	6.6	5.3	7.9	5.3
1941	2	250	208	287	339	9.8	8.2	11.3	13.3
1942	2	193	160	226	250	7.6	6.3	8.9	9.8
1943	2	148	126	175	208	5.8	5.0	6.9	8.2
1944	2	200	167	233	240	7.9	6.6	9.2	9.4

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1945	2	152	130	179	176	6.0	5.1	7.0	6.9
1946	2	123	101	150	157	4.8	4.0	5.9	6.2
1947	2	187	154	220	192	7.4	6.1	8.7	7.5
1948	2	177	144	210	221	7.0	5.7	8.3	8.7
1949	2	256	215	293	211	10.1	8.5	11.5	8.3
1950	2	126	104	153	127	5.0	4.1	6.0	5.0
1951	2	112	90	139	106	4.4	3.5	5.5	4.2
1952	2	251	210	289	268	9.9	8.3	11.4	10.5
1953	2	112	90	139	101	4.4	3.6	5.5	4.0
1954	2	194	161	227	180	7.6	6.3	8.9	7.1
1955	2	144	123	171	141	5.7	4.8	6.7	5.5
1956	2	101	79	128	81	4.0	3.1	5.0	3.2
1957	2	207	165	244	147	8.1	6.5	9.6	5.8
1958	2	212	171	250	298	8.4	6.7	9.8	11.8
1959	2	107	86	134	94	4.2	3.4	5.3	3.7
1960	2	172	139	205	167	6.8	5.5	8.1	6.6
1961	2	151	129	178	200	5.9	5.1	7.0	7.9
1962	2	193	160	226	154	7.6	6.3	8.9	6.1
1963	2	120	98	147	142	4.7	3.9	5.8	5.6
1964	2	166	133	199	123	6.5	5.2	7.8	4.8
1965	2	185	151	218	199	7.3	6.0	8.6	7.8
1966	2	163	130	197	173	6.4	5.1	7.7	6.8
1967	2	189	156	222	169	7.4	6.1	8.7	6.7
1968	2	244	202	281	166	9.6	8.0	11.1	6.5
1969	2	260	219	297	237	10.2	8.6	11.7	9.3
1970	2	143	121	170	119	5.6	4.8	6.7	4.7
1971	2	145	123	172	119	5.7	4.9	6.8	4.7
1972	2	195	161	228	137	7.7	6.4	9.0	5.4
1973	2	271	230	308	347	10.7	9.1	12.1	13.7
1974	2	113	91	140	106	4.5	3.6	5.5	4.2
1975	2	265	224	302	202	10.4	8.8	11.9	7.9
1976	2	180	147	213	164	7.1	5.8	8.4	6.4
1977	2	68	46	95	53	2.7	1.8	3.7	2.1
1978	2	260	219	297	257	10.2	8.6	11.7	10.1
1979	2	257	215	294	371	10.1	8.5	11.6	14.6
1980	2	254	212	291	351	10.0	8.4	11.4	13.8
1981	2	189	156	222	125	7.4	6.1	8.7	4.9
1982	2	192	159	225	213	7.6	6.3	8.9	8.4
1983	2	262	221	299	275	10.3	8.7	11.8	10.8
1984	2	152	130	179	128	6.0	5.1	7.1	5.0
1985	2	233	192	270	210	9.2	7.6	10.6	8.3
1986	2	163	130	196	179	6.4	5.1	7.7	7.1
1987	2	234	193	272	169	9.2	7.6	10.7	6.6
1988	2	210	169	247	243	8.3	6.6	9.7	9.6
1989	2	133	111	160	133	5.2	4.4	6.3	5.3
1990	2	122	100	149	112	4.8	3.9	5.8	4.4
1991	2	157	135	184	159	6.2	5.3	7.2	6.3
1992	2	271	230	308	241	10.7	9.0	12.1	9.5
1993	2	224	182	261	330	8.8	7.2	10.3	13.0
1994	2	148	126	175	177	5.8	5.0	6.9	7.0
1995	2	237	196	274	279	9.3	7.7	10.8	11.0

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1996	2	83	62	110	109	3.3	2.4	4.3	4.3
1997	2	225	184	263	242	8.9	7.3	10.3	9.5
1998	2	230	189	268	191	9.1	7.5	10.5	7.5
1999	3	204	167	247	178	8.0	6.6	9.7	7.0
2000	3	123	102	144	117	4.9	4.0	5.7	4.6
2001	3	234	191	271	281	9.2	7.5	10.7	11.1
2002	3	60	39	81	69	2.4	1.5	3.2	2.7
2003	3	199	162	242	150	7.8	6.4	9.5	5.9
2004	3	181	144	224	180	7.1	5.7	8.8	7.1
2005	3	266	223	303	435	10.5	8.8	11.9	17.1
2006	3	173	137	216	152	6.8	5.4	8.5	6.0
2007	3	158	137	179	164	6.2	5.4	7.0	6.5
2008	3	180	144	223	162	7.1	5.7	8.8	6.4
2009	3	161	140	181	135	6.3	5.5	7.1	5.3
2010	3	201	165	244	201	7.9	6.5	9.6	7.9

G.4 Kanab Creek Watershed Reconstruction

Watershed: Kanab Creek
Reconstruction type: precipitation
Season: winter (previous Oct - current Apr)
Reconstruction units: mm & in

Year: current year
Model: letter indicating subperiod model used for each year of reconstruction (see Table D.4)
Rec (units): reconstructed precipitation in mm & in
Lower_50: lower bound of 50% CI on reconstruction (from median(negative residuals)
Upper 50: upper bound of 50% CI on reconstruction (from median(positive residuals)
Obs: Average depth of prcp (mm & in) over target watershed based on PRISM data

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1496	A	172	141	203		6.8	5.6	8.0	
1497	A	191	160	222		7.5	6.3	8.7	
1498	A	334	299	370		13.2	11.8	14.6	
1499	A	231	207	275		9.1	8.2	10.8	
1500	A	90	60	122		3.6	2.4	4.8	
1501	A	213	189	257		8.4	7.4	10.1	
1502	A	256	232	300		10.1	9.1	11.8	
1503	A	290	254	325		11.4	10.0	12.8	
1504	A	247	223	291		9.7	8.8	11.5	
1505	A	177	146	208		7.0	5.8	8.2	
1506	A	108	77	139		4.2	3.0	5.5	
1507	A	387	352	422		15.2	13.8	16.6	
1508	A	362	327	398		14.3	12.9	15.7	
1509	A	451	416	487		17.8	16.4	19.2	
1510	A	215	191	259		8.5	7.5	10.2	
1511	A	254	231	299		10.0	9.1	11.8	
1512	A	215	191	259		8.5	7.5	10.2	
1513	A	202	171	233		7.9	6.7	9.2	
1514	A	275	239	310		10.8	9.4	12.2	
1515	A	150	119	181		5.9	4.7	7.1	
1516	A	218	194	262		8.6	7.7	10.3	
1517	A	211	187	255		8.3	7.4	10.0	
1518	A	241	218	286		9.5	8.6	11.2	
1519	A	286	251	321		11.3	9.9	12.6	
1520	A	164	133	195		6.5	5.3	7.7	
1521	A	166	135	197		6.5	5.3	7.8	
1522	A	132	101	163		5.2	4.0	6.4	
1523	A	235	211	279		9.3	8.3	11.0	
1524	A	227	203	271		8.9	8.0	10.7	
1525	A	213	189	257		8.4	7.4	10.1	
1526	A	255	231	299		10.0	9.1	11.8	
1527	A	258	223	294		10.2	8.8	11.6	
1528	A	139	109	171		5.5	4.3	6.7	
1529	A	182	152	214		7.2	6.0	8.4	
1530	A	221	197	265		8.7	7.8	10.4	
1531	A	201	170	232		7.9	6.7	9.2	
1532	A	111	80	142		4.4	3.1	5.6	
1533	A	284	248	319		11.2	9.8	12.6	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1534	A	273	238	309		10.8	9.4	12.2	
1535	A	294	259	330		11.6	10.2	13.0	
1536	A	419	384	455		16.5	15.1	17.9	
1537	A	247	223	291		9.7	8.8	11.5	
1538	A	134	103	165		5.3	4.1	6.5	
1539	A	220	196	264		8.7	7.7	10.4	
1540	A	220	196	264		8.7	7.7	10.4	
1541	A	215	191	259		8.5	7.5	10.2	
1542	A	91	61	123		3.6	2.4	4.8	
1543	A	408	372	443		16.0	14.7	17.4	
1544	A	158	128	190		6.2	5.0	7.5	
1545	A	197	167	229		7.8	6.6	9.0	
1546	A	313	278	348		12.3	10.9	13.7	
1547	A	192	162	224		7.6	6.4	8.8	
1548	A	207	183	251		8.1	7.2	9.9	
1549	A	303	267	338		11.9	10.5	13.3	
1550	A	275	240	310		10.8	9.4	12.2	
1551	A	224	200	268		8.8	7.9	10.6	
1552	A	219	195	263		8.6	7.7	10.4	
1553	A	301	266	337		11.9	10.5	13.3	
1554	A	235	211	279		9.2	8.3	11.0	
1555	A	257	233	301		10.1	9.2	11.9	
1556	A	301	265	336		11.8	10.4	13.2	
1557	A	209	186	254		8.2	7.3	10.0	
1558	A	192	161	223		7.6	6.4	8.8	
1559	A	206	182	250		8.1	7.2	9.9	
1560	A	225	201	269		8.8	7.9	10.6	
1561	A	212	188	257		8.4	7.4	10.1	
1562	A	220	196	264		8.6	7.7	10.4	
1563	A	185	154	216		7.3	6.1	8.5	
1564	A	255	231	299		10.0	9.1	11.8	
1565	A	259	224	294		10.2	8.8	11.6	
1566	A	97	66	128		3.8	2.6	5.0	
1567	A	274	239	309		10.8	9.4	12.2	
1568	A	285	249	320		11.2	9.8	12.6	
1569	A	253	229	297		9.9	9.0	11.7	
1570	A	194	163	225		7.6	6.4	8.9	
1571	A	183	153	215		7.2	6.0	8.5	
1572	A	184	153	215		7.2	6.0	8.5	
1573	A	182	152	214		7.2	6.0	8.4	
1574	A	181	150	212		7.1	5.9	8.4	
1575	A	208	184	252		8.2	7.3	9.9	
1576	A	216	192	260		8.5	7.6	10.2	
1577	A	239	216	284		9.4	8.5	11.2	
1578	A	220	196	264		8.7	7.7	10.4	
1579	A	186	156	218		7.3	6.1	8.6	
1580	A	168	137	199		6.6	5.4	7.9	
1581	A	219	195	263		8.6	7.7	10.4	
1582	A	221	197	265		8.7	7.8	10.4	
1583	A	188	157	219		7.4	6.2	8.6	
1584	A	120	89	151		4.7	3.5	5.9	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1585	A	128	98	160		5.1	3.9	6.3	
1586	A	327	291	362		12.9	11.5	14.2	
1587	A	327	292	363		12.9	11.5	14.3	
1588	A	254	231	299		10.0	9.1	11.8	
1589	A	290	255	325		11.4	10.0	12.8	
1590	A	122	91	153		4.8	3.6	6.0	
1591	A	202	171	233		7.9	6.7	9.2	
1592	A	190	159	221		7.5	6.3	8.7	
1593	A	276	241	312		10.9	9.5	12.3	
1594	A	452	417	487		17.8	16.4	19.2	
1595	A	222	198	266		8.7	7.8	10.5	
1596	A	267	231	302		10.5	9.1	11.9	
1597	A	177	147	209		7.0	5.8	8.2	
1598	A	208	184	252		8.2	7.2	9.9	
1599	A	329	294	364		13.0	11.6	14.3	
1600	A	111	80	142		4.4	3.2	5.6	
1601	A	311	276	346		12.2	10.8	13.6	
1602	A	290	254	325		11.4	10.0	12.8	
1603	A	207	183	251		8.1	7.2	9.9	
1604	A	325	290	361		12.8	11.4	14.2	
1605	A	275	240	311		10.8	9.4	12.2	
1606	A	194	164	226		7.6	6.4	8.9	
1607	A	190	159	221		7.5	6.3	8.7	
1608	A	290	255	326		11.4	10.0	12.8	
1609	A	286	251	322		11.3	9.9	12.7	
1610	A	254	230	298		10.0	9.0	11.7	
1611	A	187	156	218		7.3	6.1	8.6	
1612	A	267	231	302		10.5	9.1	11.9	
1613	A	164	133	195		6.4	5.2	7.7	
1614	A	218	195	263		8.6	7.7	10.3	
1615	A	273	238	309		10.8	9.4	12.1	
1616	A	219	195	263		8.6	7.7	10.4	
1617	A	276	240	311		10.8	9.5	12.2	
1618	A	280	245	316		11.0	9.6	12.4	
1619	A	281	245	316		11.1	9.7	12.4	
1620	A	264	229	300		10.4	9.0	11.8	
1621	A	349	314	384		13.7	12.3	15.1	
1622	A	175	144	206		6.9	5.7	8.1	
1623	A	156	125	187		6.1	4.9	7.4	
1624	A	159	129	191		6.3	5.1	7.5	
1625	A	257	233	301		10.1	9.2	11.8	
1626	A	97	66	128		3.8	2.6	5.0	
1627	A	438	403	473		17.3	15.9	18.6	
1628	A	249	226	294		9.8	8.9	11.6	
1629	A	212	188	256		8.3	7.4	10.1	
1630	A	189	158	220		7.4	6.2	8.7	
1631	A	162	131	193		6.4	5.2	7.6	
1632	A	107	76	138		4.2	3.0	5.4	
1633	A	349	313	384		13.7	12.3	15.1	
1634	A	243	219	287		9.6	8.6	11.3	
1635	A	271	236	306		10.7	9.3	12.1	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1636	A	267	232	302		10.5	9.1	11.9	
1637	A	134	104	166		5.3	4.1	6.5	
1638	A	180	149	211		7.1	5.9	8.3	
1639	A	274	238	309		10.8	9.4	12.2	
1640	A	476	441	511		18.7	17.4	20.1	
1641	A	257	233	301		10.1	9.2	11.8	
1642	A	205	182	250		8.1	7.1	9.8	
1643	A	207	183	251		8.1	7.2	9.9	
1644	A	290	254	325		11.4	10.0	12.8	
1645	A	219	196	264		8.6	7.7	10.4	
1646	A	193	162	224		7.6	6.4	8.8	
1647	A	296	260	331		11.6	10.2	13.0	
1648	A	175	145	207		6.9	5.7	8.1	
1649	A	296	261	332		11.7	10.3	13.1	
1650	A	168	137	199		6.6	5.4	7.8	
1651	A	330	295	365		13.0	11.6	14.4	
1652	A	150	119	181		5.9	4.7	7.1	
1653	A	202	171	233		7.9	6.7	9.2	
1654	A	106	75	137		4.2	3.0	5.4	
1655	A	254	231	299		10.0	9.1	11.8	
1656	A	224	200	268		8.8	7.9	10.5	
1657	A	258	222	293		10.1	8.8	11.5	
1658	A	202	171	233		7.9	6.7	9.2	
1659	A	223	199	267		8.8	7.8	10.5	
1660	A	259	224	295		10.2	8.8	11.6	
1661	A	280	245	315		11.0	9.6	12.4	
1662	A	207	183	251		8.1	7.2	9.9	
1663	A	182	151	213		7.2	5.9	8.4	
1664	A	287	251	322		11.3	9.9	12.7	
1665	A	180	150	212		7.1	5.9	8.3	
1666	A	286	250	321		11.2	9.9	12.6	
1667	B	161	129	192		6.3	5.1	7.6	
1668	B	182	150	213		7.2	5.9	8.4	
1669	B	176	144	207		6.9	5.7	8.1	
1670	B	109	77	140		4.3	3.0	5.5	
1671	B	261	223	315		10.3	8.8	12.4	
1672	B	261	224	316		10.3	8.8	12.4	
1673	B	271	233	325		10.7	9.2	12.8	
1674	B	306	268	361		12.0	10.6	14.2	
1675	B	165	133	196		6.5	5.2	7.7	
1676	B	196	172	219		7.7	6.8	8.6	
1677	B	299	261	353		11.8	10.3	13.9	
1678	B	233	210	256		9.2	8.3	10.1	
1679	B	195	172	218		7.7	6.8	8.6	
1680	B	285	247	340		11.2	9.7	13.4	
1681	B	288	250	343		11.3	9.9	13.5	
1682	B	223	200	246		8.8	7.9	9.7	
1683	B	257	219	312		10.1	8.6	12.3	
1684	B	141	109	172		5.6	4.3	6.8	
1685	B	140	108	171		5.5	4.3	6.7	
1686	B	126	94	157		5.0	3.7	6.2	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1687	B	352	314	407		13.9	12.4	16.0	
1688	B	295	257	350		11.6	10.1	13.8	
1689	B	258	221	313		10.2	8.7	12.3	
1690	B	186	154	217		7.3	6.1	8.5	
1691	B	197	174	220		7.7	6.8	8.7	
1692	B	285	247	339		11.2	9.7	13.4	
1693	B	196	173	219		7.7	6.8	8.6	
1694	B	206	183	229		8.1	7.2	9.0	
1695	B	233	210	256		9.2	8.3	10.1	
1696	B	199	176	222		7.8	6.9	8.8	
1697	B	229	206	252		9.0	8.1	9.9	
1698	B	148	116	178		5.8	4.6	7.0	
1699	B	228	205	251		9.0	8.1	9.9	
1700	B	199	176	222		7.8	6.9	8.8	
1701	B	282	244	336		11.1	9.6	13.2	
1702	B	212	189	235		8.3	7.4	9.3	
1703	B	107	75	138		4.2	3.0	5.4	
1704	B	271	233	326		10.7	9.2	12.8	
1705	B	290	252	344		11.4	9.9	13.6	
1706	B	196	173	219		7.7	6.8	8.6	
1707	B	123	92	154		4.9	3.6	6.1	
1708	B	193	161	223		7.6	6.3	8.8	
1709	B	184	153	215		7.3	6.0	8.5	
1710	B	298	260	352		11.7	10.2	13.9	
1711	B	208	185	231		8.2	7.3	9.1	
1712	B	234	211	257		9.2	8.3	10.1	
1713	B	197	174	220		7.7	6.8	8.7	
1714	B	215	192	238		8.5	7.5	9.4	
1715	B	184	152	215		7.2	6.0	8.4	
1716	B	185	153	216		7.3	6.0	8.5	
1717	B	197	174	221		7.8	6.9	8.7	
1718	B	323	285	377		12.7	11.2	14.9	
1719	B	316	278	370		12.4	10.9	14.6	
1720	B	371	333	426		14.6	13.1	16.8	
1721	B	183	151	213		7.2	5.9	8.4	
1722	B	115	83	146		4.5	3.3	5.7	
1723	B	298	260	352		11.7	10.2	13.9	
1724	B	276	238	330		10.9	9.4	13.0	
1725	B	285	247	340		11.2	9.7	13.4	
1726	B	293	255	348		11.5	10.0	13.7	
1727	B	200	177	223		7.9	7.0	8.8	
1728	B	181	149	212		7.1	5.9	8.3	
1729	B	91	59	121		3.6	2.3	4.8	
1730	B	256	219	311		10.1	8.6	12.2	
1731	B	240	217	263		9.4	8.5	10.4	
1732	B	209	186	232		8.2	7.3	9.1	
1733	B	181	149	212		7.1	5.9	8.3	
1734	B	286	248	341		11.3	9.8	13.4	
1735	B	85	53	116		3.4	2.1	4.6	
1736	B	164	133	195		6.5	5.2	7.7	
1737	B	196	173	219		7.7	6.8	8.6	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1738	B	365	327	419		14.4	12.9	16.5	
1739	B	158	126	189		6.2	5.0	7.4	
1740	B	194	162	225		7.6	6.4	8.8	
1741	B	269	231	323		10.6	9.1	12.7	
1742	B	154	122	184		6.0	4.8	7.3	
1743	B	345	307	399		13.6	12.1	15.7	
1744	B	232	209	255		9.1	8.2	10.0	
1745	B	257	219	311		10.1	8.6	12.3	
1746	B	300	262	354		11.8	10.3	14.0	
1747	B	321	283	375		12.6	11.1	14.8	
1748	B	113	81	144		4.5	3.2	5.7	
1749	B	296	258	350		11.6	10.1	13.8	
1750	B	177	145	208		7.0	5.7	8.2	
1751	B	178	146	209		7.0	5.8	8.2	
1752	B	171	139	202		6.7	5.5	7.9	
1753	B	202	179	225		8.0	7.0	8.9	
1754	B	195	172	218		7.7	6.8	8.6	
1755	B	164	132	194		6.4	5.2	7.6	
1756	B	199	175	222		7.8	6.9	8.7	
1757	B	205	182	228		8.1	7.1	9.0	
1758	B	257	220	312		10.1	8.6	12.3	
1759	B	252	214	307		9.9	8.4	12.1	
1760	B	249	211	304		9.8	8.3	12.0	
1761	B	150	118	181		5.9	4.6	7.1	
1762	B	200	177	223		7.9	6.9	8.8	
1763	B	159	128	190		6.3	5.0	7.5	
1764	B	300	262	355		11.8	10.3	14.0	
1765	B	198	175	221		7.8	6.9	8.7	
1766	B	306	268	360		12.0	10.5	14.2	
1767	B	281	243	335		11.1	9.6	13.2	
1768	B	270	232	324		10.6	9.1	12.8	
1769	B	214	191	238		8.4	7.5	9.4	
1770	B	195	172	218		7.7	6.8	8.6	
1771	B	289	251	343		11.4	9.9	13.5	
1772	B	184	152	214		7.2	6.0	8.4	
1773	B	103	71	133		4.0	2.8	5.2	
1774	B	195	172	218		7.7	6.8	8.6	
1775	B	314	276	369		12.4	10.9	14.5	
1776	B	197	174	221		7.8	6.9	8.7	
1777	B	188	156	219		7.4	6.2	8.6	
1778	B	193	161	223		7.6	6.3	8.8	
1779	B	209	186	232		8.2	7.3	9.2	
1780	B	144	112	174		5.7	4.4	6.9	
1781	B	202	179	225		7.9	7.0	8.9	
1782	B	169	137	199		6.6	5.4	7.9	
1783	B	265	228	320		10.5	9.0	12.6	
1784	B	326	288	381		12.8	11.3	15.0	
1785	B	154	122	184		6.0	4.8	7.3	
1786	B	200	177	224		7.9	7.0	8.8	
1787	B	339	301	393		13.3	11.8	15.5	
1788	B	153	122	184		6.0	4.8	7.2	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1789	B	158	127	189		6.2	5.0	7.4	
1790	B	230	207	253		9.0	8.1	10.0	
1791	B	332	295	387		13.1	11.6	15.2	
1792	B	283	245	337		11.1	9.6	13.3	
1793	B	289	251	344		11.4	9.9	13.5	
1794	B	179	147	210		7.0	5.8	8.3	
1795	B	239	216	262		9.4	8.5	10.3	
1796	B	177	145	207		7.0	5.7	8.2	
1797	B	243	220	267		9.6	8.7	10.5	
1798	B	182	150	212		7.1	5.9	8.4	
1799	B	253	215	308		10.0	8.5	12.1	
1800	B	159	127	190		6.3	5.0	7.5	
1801	B	193	161	223		7.6	6.3	8.8	
1802	B	303	265	357		11.9	10.4	14.1	
1803	B	187	155	217		7.3	6.1	8.6	
1804	B	233	210	256		9.2	8.3	10.1	
1805	B	152	120	183		6.0	4.7	7.2	
1806	B	215	192	238		8.5	7.6	9.4	
1807	B	247	209	301		9.7	8.2	11.9	
1808	B	166	134	197		6.5	5.3	7.7	
1809	B	197	174	221		7.8	6.9	8.7	
1810	B	225	201	248		8.8	7.9	9.8	
1811	B	279	241	334		11.0	9.5	13.1	
1812	B	198	175	221		7.8	6.9	8.7	
1813	B	120	88	151		4.7	3.5	5.9	
1814	B	259	221	314		10.2	8.7	12.4	
1815	B	230	206	253		9.0	8.1	9.9	
1816	B	328	290	382		12.9	11.4	15.1	
1817	B	232	209	255		9.1	8.2	10.0	
1818	B	161	129	192		6.3	5.1	7.6	
1819	B	302	264	356		11.9	10.4	14.0	
1820	B	115	83	145		4.5	3.3	5.7	
1821	B	357	319	412		14.1	12.6	16.2	
1822	B	139	107	170		5.5	4.2	6.7	
1823	B	197	174	221		7.8	6.9	8.7	
1824	B	196	172	219		7.7	6.8	8.6	
1825	B	270	232	324		10.6	9.1	12.8	
1826	B	268	230	322		10.5	9.0	12.7	
1827	B	195	172	218		7.7	6.8	8.6	
1828	B	353	316	408		13.9	12.4	16.1	
1829	B	150	118	180		5.9	4.6	7.1	
1830	B	216	192	239		8.5	7.6	9.4	
1831	B	193	161	224		7.6	6.4	8.8	
1832	B	298	260	352		11.7	10.2	13.9	
1833	B	283	246	338		11.2	9.7	13.3	
1834	B	199	176	222		7.8	6.9	8.7	
1835	B	244	221	267		9.6	8.7	10.5	
1836	B	198	175	221		7.8	6.9	8.7	
1837	B	254	216	309		10.0	8.5	12.2	
1838	B	295	257	350		11.6	10.1	13.8	
1839	B	283	245	337		11.1	9.6	13.3	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1840	B	262	224	316		10.3	8.8	12.5	
1841	B	142	110	173		5.6	4.3	6.8	
1842	B	188	156	219		7.4	6.2	8.6	
1843	B	247	209	302		9.7	8.2	11.9	
1844	B	262	224	317		10.3	8.8	12.5	
1845	B	136	104	167		5.3	4.1	6.6	
1846	B	221	198	244		8.7	7.8	9.6	
1847	B	99	67	129		3.9	2.6	5.1	
1848	B	338	301	393		13.3	11.8	15.5	
1849	B	352	314	407		13.9	12.4	16.0	
1850	B	276	239	331		10.9	9.4	13.0	
1851	B	197	174	221		7.8	6.9	8.7	
1852	B	257	219	311		10.1	8.6	12.3	
1853	B	265	227	319		10.4	8.9	12.6	
1854	B	190	159	221		7.5	6.2	8.7	
1855	B	197	174	221		7.8	6.9	8.7	
1856	B	157	125	187		6.2	4.9	7.4	
1857	B	153	121	184		6.0	4.8	7.2	
1858	B	194	162	225		7.6	6.4	8.8	
1859	B	188	156	219		7.4	6.2	8.6	
1860	B	170	138	201		6.7	5.4	7.9	
1861	B	150	118	180		5.9	4.6	7.1	
1862	B	370	332	424		14.6	13.1	16.7	
1863	B	190	158	220		7.5	6.2	8.7	
1864	B	149	117	180		5.9	4.6	7.1	
1865	B	258	220	313		10.2	8.7	12.3	
1866	B	315	277	369		12.4	10.9	14.5	
1867	B	268	230	322		10.5	9.1	12.7	
1868	B	346	308	401		13.6	12.1	15.8	
1869	B	279	241	333		11.0	9.5	13.1	
1870	B	161	130	192		6.4	5.1	7.6	
1871	B	128	96	159		5.0	3.8	6.3	
1872	B	233	210	257		9.2	8.3	10.1	
1873	B	172	140	203		6.8	5.5	8.0	
1874	B	249	211	304		9.8	8.3	12.0	
1875	B	238	215	261		9.4	8.5	10.3	
1876	B	188	156	219		7.4	6.1	8.6	
1877	B	197	174	220		7.8	6.8	8.7	
1878	B	198	175	221		7.8	6.9	8.7	
1879	B	126	94	157		5.0	3.7	6.2	
1880	B	194	162	225		7.6	6.4	8.8	
1881	B	180	148	211		7.1	5.8	8.3	
1882	B	142	110	172		5.6	4.3	6.8	
1883	B	137	105	168		5.4	4.1	6.6	
1884	B	343	306	398		13.5	12.0	15.7	
1885	B	340	302	395		13.4	11.9	15.5	
1886	B	231	208	254		9.1	8.2	10.0	
1887	B	193	161	223		7.6	6.3	8.8	
1888	B	259	222	314		10.2	8.7	12.4	
1889	B	275	237	330		10.8	9.3	13.0	
1890	B	365	327	419		14.4	12.9	16.5	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1891	B	264	226	319		10.4	8.9	12.5	
1892	B	234	210	257		9.2	8.3	10.1	
1893	B	176	144	207		6.9	5.7	8.1	
1894	B	149	117	180		5.9	4.6	7.1	
1895	B	226	203	249		8.9	8.0	9.8	
1896	B	114	82	145		4.5	3.2	5.7	
1897	B	314	276	368		12.3	10.9	14.5	
1898	B	269	232	324		10.6	9.1	12.8	
1899	B	81	49	112		3.2	1.9	4.4	
1900	B	200	177	223		7.9	7.0	8.8	
1901	B	216	193	240	216	8.5	7.6	9.4	8.5
1902	B	129	97	160	145	5.1	3.8	6.3	5.7
1903	B	277	239	332	277	10.9	9.4	13.1	10.9
1904	B	151	119	182	78	6.0	4.7	7.2	3.1
1905	B	284	246	339	255	11.2	9.7	13.3	10.1
1906	B	303	265	357	256	11.9	10.4	14.1	10.1
1907	B	333	296	388	357	13.1	11.6	15.3	14.1
1908	B	262	225	317	251	10.3	8.8	12.5	9.9
1909	B	242	219	265	263	9.5	8.6	10.4	10.4
1910	B	261	223	316	230	10.3	8.8	12.4	9.0
1911	B	310	272	365	230	12.2	10.7	14.4	9.1
1912	B	235	212	258	169	9.2	8.3	10.2	6.6
1913	B	242	219	266	211	9.5	8.6	10.5	8.3
1914	B	306	268	360	245	12.0	10.6	14.2	9.7
1915	B	225	202	249	261	8.9	8.0	9.8	10.3
1916	B	247	210	302	347	9.7	8.3	11.9	13.6
1917	B	284	247	339	251	11.2	9.7	13.3	9.9
1918	B	192	160	223	152	7.6	6.3	8.8	6.0
1919	B	231	208	255	210	9.1	8.2	10.0	8.3
1920	B	259	221	314	318	10.2	8.7	12.4	12.5
1921	B	198	174	221	186	7.8	6.9	8.7	7.3
1922	B	271	233	326	292	10.7	9.2	12.8	11.5
1923	B	227	204	250	245	8.9	8.0	9.8	9.7
1924	B	168	136	199	197	6.6	5.4	7.8	7.8
1925	B	182	150	213	189	7.2	5.9	8.4	7.4
1926	B	265	227	320	261	10.4	9.0	12.6	10.3
1927	B	192	160	222	263	7.5	6.3	8.8	10.4
1928	B	249	211	303	203	9.8	8.3	11.9	8.0
1929	B	166	135	197	188	6.6	5.3	7.8	7.4
1930	B	197	174	220	130	7.8	6.8	8.7	5.1
1931	B	176	144	206	149	6.9	5.7	8.1	5.9
1932	B	293	255	348	331	11.5	10.0	13.7	13.0
1933	B	193	162	224	142	7.6	6.4	8.8	5.6
1934	B	148	116	179	136	5.8	4.6	7.0	5.4
1935	B	242	219	265	261	9.5	8.6	10.4	10.3
1936	B	151	120	182	182	6.0	4.7	7.2	7.2
1937	B	293	255	347	365	11.5	10.0	13.7	14.4
1938	B	256	219	311	269	10.1	8.6	12.2	10.6
1939	B	184	152	215	218	7.2	6.0	8.5	8.6
1940	B	218	195	241	205	8.6	7.7	9.5	8.1
1941	B	300	262	354	425	11.8	10.3	13.9	16.7

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1942	B	245	222	268	270	9.6	8.7	10.6	10.6
1943	B	196	173	219	275	7.7	6.8	8.6	10.8
1944	B	233	210	256	248	9.2	8.3	10.1	9.8
1945	B	187	156	218	215	7.4	6.1	8.6	8.5
1946	B	147	115	178	200	5.8	4.5	7.0	7.9
1947	B	201	177	224	202	7.9	7.0	8.8	7.9
1948	B	232	209	255	242	9.1	8.2	10.0	9.5
1949	B	292	254	347	235	11.5	10.0	13.6	9.2
1950	B	159	127	190	192	6.3	5.0	7.5	7.6
1951	B	137	106	168	135	5.4	4.2	6.6	5.3
1952	B	321	283	375	343	12.6	11.1	14.8	13.5
1953	B	158	126	189	129	6.2	5.0	7.4	5.1
1954	B	232	209	256	231	9.2	8.2	10.1	9.1
1955	B	177	145	208	152	7.0	5.7	8.2	6.0
1956	B	135	103	165	129	5.3	4.0	6.5	5.1
1957	B	267	229	321	179	10.5	9.0	12.7	7.0
1958	B	272	234	327	373	10.7	9.2	12.9	14.7
1959	B	146	115	177	120	5.8	4.5	7.0	4.7
1960	B	233	210	256	212	9.2	8.2	10.1	8.3
1961	B	188	156	218	204	7.4	6.1	8.6	8.0
1962	B	233	210	256	208	9.2	8.3	10.1	8.2
1963	B	159	127	189	169	6.3	5.0	7.5	6.7
1964	B	199	176	222	183	7.8	6.9	8.8	7.2
1965	B	232	209	256	232	9.1	8.2	10.1	9.1
1966	B	201	178	224	249	7.9	7.0	8.8	9.8
1967	B	233	210	256	257	9.2	8.3	10.1	10.1
1968	B	253	215	308	181	10.0	8.5	12.1	7.1
1969	B	293	256	348	292	11.6	10.1	13.7	11.5
1970	B	180	149	211	151	7.1	5.8	8.3	5.9
1971	B	179	147	210	144	7.0	5.8	8.3	5.7
1972	B	212	189	235	152	8.3	7.4	9.3	6.0
1973	A	382	346	417	419	15.0	13.6	16.4	16.5
1974	A	158	127	189	144	6.2	5.0	7.5	5.7
1975	A	315	280	350	268	12.4	11.0	13.8	10.6
1976	A	203	173	235	189	8.0	6.8	9.2	7.4
1977	A	82	52	114	69	3.2	2.0	4.5	2.7
1978	A	380	344	415	404	15.0	13.6	16.3	15.9
1979	A	288	253	324	450	11.3	10.0	12.7	17.7
1980	A	263	227	298	432	10.3	8.9	11.7	17.0
1981	A	203	173	235	182	8.0	6.8	9.2	7.2
1982	A	288	252	323	260	11.3	9.9	12.7	10.2
1983	A	266	231	302	362	10.5	9.1	11.9	14.2
1984	A	199	169	231	168	7.9	6.6	9.1	6.6
1985	A	258	222	293	267	10.1	8.7	11.5	10.5
1986	A	205	181	249	260	8.1	7.1	9.8	10.2
1987	A	217	193	261	202	8.5	7.6	10.3	7.9
1988	A	227	203	271	311	8.9	8.0	10.7	12.2
1989	A	122	91	153	150	4.8	3.6	6.0	5.9
1990	C	162	137	188	127	6.4	5.4	7.4	5.0
1991	C	206	180	232	185	8.1	7.1	9.1	7.3
1992	C	338	307	379	284	13.3	12.1	14.9	11.2

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1993	C	255	215	287	436	10.1	8.5	11.3	17.2
1994	C	175	150	202	235	6.9	5.9	7.9	9.3
1995	C	325	293	366	397	12.8	11.5	14.4	15.6
1996	C	127	101	153	180	5.0	4.0	6.0	7.1
1997	C	257	225	298	283	10.1	8.9	11.7	11.1
1998	C	277	245	318	302	10.9	9.7	12.5	11.9
1999	C	256	216	288	206	10.1	8.5	11.3	8.1
2000	C	155	130	181	162	6.1	5.1	7.1	6.4
2001	C	315	284	356	314	12.4	11.2	14.0	12.4
2002	C	92	67	119	98	3.6	2.6	4.7	3.9
2003	C	251	210	283	267	9.9	8.3	11.1	10.5
2004	C	238	198	271	227	9.4	7.8	10.6	9.0
2005	C	328	296	369	554	12.9	11.7	14.5	21.8
2006	C	211	170	243	193	8.3	6.7	9.6	7.6
2007	C	211	171	243	151	8.3	6.7	9.6	6.0
2008	C	228	187	260	221	9.0	7.4	10.2	8.7
2009	C	215	175	247	179	8.5	6.9	9.7	7.0
2010	C	268	237	310	250	10.6	9.3	12.2	9.9

G.5 Muddy River Watershed Reconstruction

Watershed: Muddy River (Muddy, White & Meadow)
Reconstruction type: precipitation
Season: Water Year
Reconstruction units: mm & in

Year: Water Year
Model: letter indicating subperiod model used for each year of reconstruction (see Table E.4)
Rec (units): reconstructed precipitation in mm & in
Lower_50: lower bound of 50% CI on reconstruction (from median(negative residuals)
Upper 50: upper bound of 50% CI on reconstruction (from median(positive residuals)
Obs: Average depth of prcp (mm & in) over target watershed based on PRISM data

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1523	A	190	157	224		7.5	6.2	8.8	
1524	A	237	204	262		9.3	8.0	10.3	
1525	A	232	199	257		9.1	7.8	10.1	
1526	A	239	206	264		9.4	8.1	10.4	
1527	A	233	200	258		9.2	7.9	10.2	
1528	A	199	165	232		7.8	6.5	9.1	
1529	A	236	202	260		9.3	8.0	10.2	
1530	A	224	191	258		8.8	7.5	10.1	
1531	A	242	211	270		9.5	8.3	10.6	
1532	A	231	198	256		9.1	7.8	10.1	
1533	A	240	207	265		9.5	8.2	10.4	
1534	A	239	205	263		9.4	8.1	10.4	
1535	A	278	247	306		11.0	9.7	12.1	
1536	A	256	225	284		10.1	8.8	11.2	
1537	A	237	203	261		9.3	8.0	10.3	
1538	A	205	171	238		8.1	6.7	9.4	
1539	A	253	222	281		10.0	8.7	11.1	
1540	A	232	199	257		9.1	7.8	10.1	
1541	A	196	163	230		7.7	6.4	9.0	
1542	A	181	148	214		7.1	5.8	8.4	
1543	A	241	210	269		9.5	8.3	10.6	
1544	A	237	203	261		9.3	8.0	10.3	
1545	A	240	207	265		9.4	8.1	10.4	
1546	A	231	198	256		9.1	7.8	10.1	
1547	A	174	141	208		6.9	5.5	8.2	
1548	A	232	199	257		9.1	7.8	10.1	
1549	A	302	271	330		11.9	10.7	13.0	
1550	A	264	233	292		10.4	9.2	11.5	
1551	A	244	213	272		9.6	8.4	10.7	
1552	A	236	203	261		9.3	8.0	10.3	
1553	A	237	204	262		9.3	8.0	10.3	
1554	A	231	197	256		9.1	7.8	10.1	
1555	A	232	199	257		9.1	7.8	10.1	
1556	A	275	244	303		10.8	9.6	11.9	
1557	A	242	211	270		9.5	8.3	10.6	
1558	A	172	139	206		6.8	5.5	8.1	
1559	A	233	200	258		9.2	7.9	10.1	
1560	A	270	239	298		10.6	9.4	11.7	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1561	A	241	210	269		9.5	8.3	10.6	
1562	A	233	200	258		9.2	7.9	10.2	
1563	A	199	165	232		7.8	6.5	9.1	
1564	A	271	240	299		10.7	9.4	11.8	
1565	A	233	199	257		9.2	7.8	10.1	
1566	A	198	165	232		7.8	6.5	9.1	
1567	A	238	204	262		9.4	8.0	10.3	
1568	A	261	231	289		10.3	9.1	11.4	
1569	A	253	222	281		10.0	8.8	11.1	
1570	A	198	165	232		7.8	6.5	9.1	
1571	A	242	211	270		9.5	8.3	10.6	
1572	A	222	189	255		8.7	7.4	10.1	
1573	A	203	169	236		8.0	6.7	9.3	
1574	A	242	211	270		9.5	8.3	10.6	
1575	A	237	204	262		9.3	8.0	10.3	
1576	A	237	204	262		9.3	8.0	10.3	
1577	A	241	207	265		9.5	8.2	10.4	
1578	A	210	176	243		8.3	6.9	9.6	
1579	A	197	163	230		7.7	6.4	9.1	
1580	A	212	179	246		8.4	7.0	9.7	
1581	A	256	225	284		10.1	8.8	11.2	
1582	A	203	169	236		8.0	6.7	9.3	
1583	A	238	204	262		9.4	8.0	10.3	
1584	A	200	166	233		7.9	6.5	9.2	
1585	A	187	153	220		7.4	6.0	8.7	
1586	A	234	201	259		9.2	7.9	10.2	
1587	A	266	235	294		10.5	9.3	11.6	
1588	A	252	221	280		9.9	8.7	11.0	
1589	A	295	264	323		11.6	10.4	12.7	
1590	A	195	161	228		7.7	6.3	9.0	
1591	A	229	195	253		9.0	7.7	10.0	
1592	A	222	188	255		8.7	7.4	10.1	
1593	A	263	232	291		10.3	9.1	11.5	
1594	A	266	235	294		10.5	9.3	11.6	
1595	A	221	188	255		8.7	7.4	10.0	
1596	A	306	275	334		12.0	10.8	13.1	
1597	A	238	204	262		9.4	8.0	10.3	
1598	A	210	177	244		8.3	7.0	9.6	
1599	A	258	227	286		10.2	8.9	11.3	
1600	A	184	151	217		7.3	5.9	8.6	
1601	A	282	251	310		11.1	9.9	12.2	
1602	A	235	202	260		9.3	8.0	10.2	
1603	A	246	215	274		9.7	8.5	10.8	
1604	A	241	208	266		9.5	8.2	10.5	
1605	A	256	225	284		10.1	8.9	11.2	
1606	A	220	187	254		8.7	7.3	10.0	
1607	A	247	216	275		9.7	8.5	10.8	
1608	A	311	280	339		12.3	11.0	13.4	
1609	A	269	238	297		10.6	9.4	11.7	
1610	A	235	202	260		9.3	8.0	10.2	
1611	A	237	204	262		9.3	8.0	10.3	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1612	A	236	202	260		9.3	8.0	10.2	
1613	A	182	149	216		7.2	5.9	8.5	
1614	A	265	234	293		10.4	9.2	11.5	
1615	A	284	253	312		11.2	10.0	12.3	
1616	A	312	282	340		12.3	11.1	13.4	
1617	A	292	262	320		11.5	10.3	12.6	
1618	A	233	199	257		9.2	7.8	10.1	
1619	A	241	208	266		9.5	8.2	10.5	
1620	A	261	230	289		10.3	9.1	11.4	
1621	A	251	220	279		9.9	8.7	11.0	
1622	A	216	182	249		8.5	7.2	9.8	
1623	A	233	199	257		9.2	7.9	10.1	
1624	A	180	146	213		7.1	5.8	8.4	
1625	A	336	305	364		13.2	12.0	14.3	
1626	A	185	152	219		7.3	6.0	8.6	
1627	A	230	196	255		9.0	7.7	10.0	
1628	A	242	211	270		9.5	8.3	10.6	
1629	A	232	198	256		9.1	7.8	10.1	
1630	A	218	185	252		8.6	7.3	9.9	
1631	A	194	160	227		7.6	6.3	8.9	
1632	A	190	156	223		7.5	6.2	8.8	
1633	A	294	263	322		11.6	10.3	12.7	
1634	A	232	198	256		9.1	7.8	10.1	
1635	A	236	202	260		9.3	8.0	10.3	
1636	A	256	225	284		10.1	8.9	11.2	
1637	A	199	166	233		7.8	6.5	9.2	
1638	A	238	205	263		9.4	8.1	10.4	
1639	A	234	201	259		9.2	7.9	10.2	
1640	A	233	200	258		9.2	7.9	10.2	
1641	A	223	190	256		8.8	7.5	10.1	
1642	A	241	207	266		9.5	8.2	10.5	
1643	A	240	206	264		9.4	8.1	10.4	
1644	A	228	195	253		9.0	7.7	9.9	
1645	A	237	204	262		9.3	8.0	10.3	
1646	A	220	187	253		8.7	7.3	10.0	
1647	A	242	211	270		9.5	8.3	10.6	
1648	A	219	185	252		8.6	7.3	9.9	
1649	A	252	221	280		9.9	8.7	11.0	
1650	A	206	172	239		8.1	6.8	9.4	
1651	A	334	303	362		13.1	11.9	14.2	
1652	A	209	175	242		8.2	6.9	9.5	
1653	A	188	155	222		7.4	6.1	8.7	
1654	A	192	159	226		7.6	6.2	8.9	
1655	A	214	181	247		8.4	7.1	9.7	
1656	A	265	234	293		10.4	9.2	11.5	
1657	A	221	187	254		8.7	7.4	10.0	
1658	A	213	180	247		8.4	7.1	9.7	
1659	A	238	205	263		9.4	8.1	10.3	
1660	A	262	231	290		10.3	9.1	11.4	
1661	B	253	233	267		10.0	9.2	10.5	
1662	B	221	201	235		8.7	7.9	9.3	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1663	B	244	224	259		9.6	8.8	10.2	
1664	B	261	246	292		10.3	9.7	11.5	
1665	B	222	202	237		8.7	8.0	9.3	
1666	B	255	235	269		10.0	9.2	10.6	
1667	B	196	163	219		7.7	6.4	8.6	
1668	B	200	166	223		7.9	6.6	8.8	
1669	B	208	174	231		8.2	6.9	9.1	
1670	B	177	143	200		7.0	5.6	7.9	
1671	B	229	209	243		9.0	8.2	9.6	
1672	B	260	245	291		10.3	9.7	11.5	
1673	B	243	223	257		9.5	8.8	10.1	
1674	B	306	291	337		12.0	11.5	13.3	
1675	B	211	178	235		8.3	7.0	9.2	
1676	B	255	235	269		10.0	9.2	10.6	
1677	B	262	247	293		10.3	9.7	11.5	
1678	B	226	206	240		8.9	8.1	9.5	
1679	B	263	248	294		10.3	9.8	11.6	
1680	B	281	266	312		11.1	10.5	12.3	
1681	B	208	175	232		8.2	6.9	9.1	
1682	B	255	235	270		10.0	9.3	10.6	
1683	B	312	297	343		12.3	11.7	13.5	
1684	B	201	168	224		7.9	6.6	8.8	
1685	B	232	213	247		9.2	8.4	9.7	
1686	B	168	135	192		6.6	5.3	7.5	
1687	B	307	292	338		12.1	11.5	13.3	
1688	B	291	276	322		11.5	10.9	12.7	
1689	B	210	177	234		8.3	7.0	9.2	
1690	B	205	172	228		8.1	6.8	9.0	
1691	B	239	219	253		9.4	8.6	10.0	
1692	B	256	236	270		10.1	9.3	10.6	
1693	B	238	218	253		9.4	8.6	9.9	
1694	B	228	208	242		9.0	8.2	9.5	
1695	B	236	216	251		9.3	8.5	9.9	
1696	B	271	256	302		10.7	10.1	11.9	
1697	B	258	243	289		10.2	9.6	11.4	
1698	B	208	174	231		8.2	6.9	9.1	
1699	B	281	266	312		11.1	10.5	12.3	
1700	B	258	243	289		10.2	9.6	11.4	
1701	B	261	246	292		10.3	9.7	11.5	
1702	B	255	235	269		10.0	9.2	10.6	
1703	B	175	142	198		6.9	5.6	7.8	
1704	B	231	211	245		9.1	8.3	9.7	
1705	B	312	297	343		12.3	11.7	13.5	
1706	B	208	174	231		8.2	6.9	9.1	
1707	B	167	134	191		6.6	5.3	7.5	
1708	B	182	148	205		7.2	5.8	8.1	
1709	B	222	202	237		8.8	8.0	9.3	
1710	B	240	220	255		9.5	8.7	10.0	
1711	B	294	279	325		11.6	11.0	12.8	
1712	B	252	232	266		9.9	9.1	10.5	
1713	B	225	205	239		8.9	8.1	9.4	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1714	B	230	210	244		9.0	8.3	9.6	
1715	B	215	182	238		8.5	7.2	9.4	
1716	B	192	158	215		7.5	6.2	8.5	
1717	B	229	209	243		9.0	8.2	9.6	
1718	B	263	248	294		10.4	9.8	11.6	
1719	B	276	261	307		10.9	10.3	12.1	
1720	B	280	265	310		11.0	10.4	12.2	
1721	B	181	148	205		7.1	5.8	8.1	
1722	B	181	148	204		7.1	5.8	8.0	
1723	B	290	275	321		11.4	10.8	12.6	
1724	B	261	246	292		10.3	9.7	11.5	
1725	B	297	282	328		11.7	11.1	12.9	
1726	B	334	319	365		13.2	12.6	14.4	
1727	B	272	257	303		10.7	10.1	11.9	
1728	B	201	168	224		7.9	6.6	8.8	
1729	B	165	132	189		6.5	5.2	7.4	
1730	B	260	245	291		10.3	9.7	11.5	
1731	B	263	248	294		10.4	9.8	11.6	
1732	B	242	222	257		9.5	8.8	10.1	
1733	B	210	177	233		8.3	7.0	9.2	
1734	B	266	251	297		10.5	9.9	11.7	
1735	B	162	128	185		6.4	5.1	7.3	
1736	B	253	233	267		10.0	9.2	10.5	
1737	B	245	225	260		9.7	8.9	10.2	
1738	B	275	260	306		10.8	10.2	12.0	
1739	B	184	151	208		7.3	6.0	8.2	
1740	B	224	204	238		8.8	8.0	9.4	
1741	B	258	243	289		10.2	9.6	11.4	
1742	B	203	170	227		8.0	6.7	8.9	
1743	B	264	249	295		10.4	9.8	11.6	
1744	B	207	174	230		8.1	6.8	9.1	
1745	B	262	247	292		10.3	9.7	11.5	
1746	B	315	300	346		12.4	11.8	13.6	
1747	B	300	285	331		11.8	11.2	13.0	
1748	B	174	140	197		6.8	5.5	7.7	
1749	B	297	282	328		11.7	11.1	12.9	
1750	B	225	205	240		8.9	8.1	9.4	
1751	B	212	179	236		8.4	7.1	9.3	
1752	B	172	139	195		6.8	5.5	7.7	
1753	B	231	211	245		9.1	8.3	9.7	
1754	B	259	244	290		10.2	9.6	11.4	
1755	B	186	153	210		7.3	6.0	8.3	
1756	B	217	183	240		8.5	7.2	9.4	
1757	B	212	178	235		8.3	7.0	9.2	
1758	B	289	274	319		11.4	10.8	12.6	
1759	B	253	233	267		9.9	9.2	10.5	
1760	B	261	246	292		10.3	9.7	11.5	
1761	B	256	236	270		10.1	9.3	10.6	
1762	B	208	174	231		8.2	6.9	9.1	
1763	B	178	145	201		7.0	5.7	7.9	
1764	B	255	235	269		10.0	9.2	10.6	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1765	B	178	145	202		7.0	5.7	7.9	
1766	B	285	270	316		11.2	10.6	12.4	
1767	B	262	247	293		10.3	9.7	11.5	
1768	B	210	177	234		8.3	7.0	9.2	
1769	B	287	272	317		11.3	10.7	12.5	
1770	B	202	169	225		8.0	6.6	8.9	
1771	B	299	284	330		11.8	11.2	13.0	
1772	B	180	147	203		7.1	5.8	8.0	
1773	B	218	184	241		8.6	7.3	9.5	
1774	B	224	204	239		8.8	8.0	9.4	
1775	B	284	269	315		11.2	10.6	12.4	
1776	B	245	225	260		9.6	8.9	10.2	
1777	B	166	132	189		6.5	5.2	7.4	
1778	B	209	176	233		8.2	6.9	9.2	
1779	B	260	245	291		10.2	9.6	11.4	
1780	B	176	142	199		6.9	5.6	7.8	
1781	B	207	174	230		8.2	6.8	9.1	
1782	B	168	135	191		6.6	5.3	7.5	
1783	B	257	237	271		10.1	9.3	10.7	
1784	B	313	298	343		12.3	11.7	13.5	
1785	B	216	183	239		8.5	7.2	9.4	
1786	B	219	200	234		8.6	7.9	9.2	
1787	B	261	246	291		10.3	9.7	11.5	
1788	B	171	138	194		6.7	5.4	7.6	
1789	B	247	227	261		9.7	8.9	10.3	
1790	B	252	232	266		9.9	9.1	10.5	
1791	B	278	263	309		10.9	10.4	12.2	
1792	B	262	247	293		10.3	9.7	11.5	
1793	B	261	246	292		10.3	9.7	11.5	
1794	B	196	163	220		7.7	6.4	8.6	
1795	B	181	148	205		7.1	5.8	8.1	
1796	B	232	212	246		9.1	8.3	9.7	
1797	B	258	238	272		10.1	9.4	10.7	
1798	B	177	143	200		7.0	5.6	7.9	
1799	B	289	274	320		11.4	10.8	12.6	
1800	B	185	152	209		7.3	6.0	8.2	
1801	B	213	180	237		8.4	7.1	9.3	
1802	B	306	291	336		12.0	11.4	13.2	
1803	B	260	245	291		10.2	9.6	11.4	
1804	B	205	172	229		8.1	6.8	9.0	
1805	B	211	178	235		8.3	7.0	9.2	
1806	B	218	198	233		8.6	7.8	9.2	
1807	B	273	258	303		10.7	10.1	11.9	
1808	B	183	149	206		7.2	5.9	8.1	
1809	B	211	178	235		8.3	7.0	9.2	
1810	B	257	237	272		10.1	9.3	10.7	
1811	B	296	281	326		11.6	11.0	12.9	
1812	B	227	207	242		8.9	8.2	9.5	
1813	B	166	132	189		6.5	5.2	7.4	
1814	B	252	232	267		9.9	9.2	10.5	
1815	B	260	245	291		10.2	9.6	11.4	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1816	B	309	294	340		12.2	11.6	13.4	
1817	B	237	217	251		9.3	8.5	9.9	
1818	B	209	176	233		8.2	6.9	9.2	
1819	B	281	266	312		11.1	10.5	12.3	
1820	B	237	217	251		9.3	8.5	9.9	
1821	B	316	301	347		12.5	11.9	13.7	
1822	B	179	146	202		7.1	5.7	8.0	
1823	B	216	183	240		8.5	7.2	9.4	
1824	B	185	152	208		7.3	6.0	8.2	
1825	B	270	255	301		10.6	10.0	11.9	
1826	B	249	229	264		9.8	9.0	10.4	
1827	B	237	217	252		9.3	8.5	9.9	
1828	B	297	282	328		11.7	11.1	12.9	
1829	B	205	172	229		8.1	6.8	9.0	
1830	B	255	235	270		10.0	9.3	10.6	
1831	B	229	209	243		9.0	8.2	9.6	
1832	B	308	293	339		12.1	11.5	13.3	
1833	B	263	248	294		10.4	9.8	11.6	
1834	B	183	150	206		7.2	5.9	8.1	
1835	B	250	230	265		9.8	9.1	10.4	
1836	B	196	163	219		7.7	6.4	8.6	
1837	B	309	294	339		12.1	11.6	13.4	
1838	B	332	317	363		13.1	12.5	14.3	
1839	B	308	293	339		12.1	11.5	13.3	
1840	B	256	237	271		10.1	9.3	10.7	
1841	B	187	154	211		7.4	6.1	8.3	
1842	B	215	181	238		8.4	7.1	9.4	
1843	B	211	177	234		8.3	7.0	9.2	
1844	B	272	257	303		10.7	10.1	11.9	
1845	B	177	143	200		7.0	5.6	7.9	
1846	B	218	198	233		8.6	7.8	9.2	
1847	B	203	170	226		8.0	6.7	8.9	
1848	B	257	237	271		10.1	9.3	10.7	
1849	B	310	295	341		12.2	11.6	13.4	
1850	B	252	233	267		9.9	9.2	10.5	
1851	B	201	168	224		7.9	6.6	8.8	
1852	B	251	231	265		9.9	9.1	10.5	
1853	B	264	249	295		10.4	9.8	11.6	
1854	B	285	270	316		11.2	10.6	12.4	
1855	B	196	163	220		7.7	6.4	8.6	
1856	B	176	142	199		6.9	5.6	7.8	
1857	B	177	144	200		7.0	5.7	7.9	
1858	B	259	244	289		10.2	9.6	11.4	
1859	B	235	215	249		9.3	8.5	9.8	
1860	B	223	203	237		8.8	8.0	9.3	
1861	B	218	185	241		8.6	7.3	9.5	
1862	B	288	273	319		11.4	10.8	12.6	
1863	B	178	145	201		7.0	5.7	7.9	
1864	B	217	184	241		8.6	7.2	9.5	
1865	B	202	169	226		8.0	6.7	8.9	
1866	B	339	324	370		13.3	12.7	14.5	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1867	B	261	246	292		10.3	9.7	11.5	
1868	B	322	307	353		12.7	12.1	13.9	
1869	B	196	162	219		7.7	6.4	8.6	
1870	B	207	173	230		8.1	6.8	9.0	
1871	B	189	156	213		7.5	6.1	8.4	
1872	B	206	172	229		8.1	6.8	9.0	
1873	B	224	204	239		8.8	8.0	9.4	
1874	B	300	285	331		11.8	11.2	13.0	
1875	B	211	178	234		8.3	7.0	9.2	
1876	B	233	213	247		9.2	8.4	9.7	
1877	B	215	181	238		8.4	7.1	9.4	
1878	B	222	202	237		8.7	8.0	9.3	
1879	B	165	131	188		6.5	5.2	7.4	
1880	B	248	228	262		9.8	9.0	10.3	
1881	B	215	182	238		8.5	7.1	9.4	
1882	B	238	218	252		9.4	8.6	9.9	
1883	B	202	168	225		7.9	6.6	8.9	
1884	B	299	284	329		11.8	11.2	13.0	
1885	B	270	255	301		10.6	10.0	11.8	
1886	B	215	181	238		8.5	7.1	9.4	
1887	B	226	206	241		8.9	8.1	9.5	
1888	B	258	243	289		10.2	9.6	11.4	
1889	B	188	155	212		7.4	6.1	8.3	
1890	B	308	293	339		12.1	11.5	13.3	
1891	B	271	256	302		10.7	10.1	11.9	
1892	B	243	223	257		9.6	8.8	10.1	
1893	B	182	149	206		7.2	5.9	8.1	
1894	B	231	212	246		9.1	8.3	9.7	
1895	B	259	244	290		10.2	9.6	11.4	
1896	B	182	148	205		7.2	5.8	8.1	
1897	B	259	243	289		10.2	9.6	11.4	
1898	B	277	262	308		10.9	10.3	12.1	
1899	B	179	146	203		7.1	5.8	8.0	
1900	B	209	176	233		8.2	6.9	9.2	
1901	B	251	231	265	235	9.9	9.1	10.4	9.3
1902	B	200	166	223	156	7.9	6.5	8.8	6.1
1903	B	252	232	267	203	9.9	9.1	10.5	8.0
1904	B	226	206	240	207	8.9	8.1	9.5	8.1
1905	B	260	245	291	274	10.2	9.6	11.4	10.8
1906	B	312	297	343	319	12.3	11.7	13.5	12.5
1907	B	333	318	364	320	13.1	12.5	14.3	12.6
1908	B	261	246	292	290	10.3	9.7	11.5	11.4
1909	B	238	218	252	270	9.4	8.6	9.9	10.6
1910	B	220	200	234	228	8.6	7.9	9.2	9.0
1911	B	288	273	319	278	11.3	10.8	12.6	11.0
1912	B	215	182	239	177	8.5	7.2	9.4	6.9
1913	B	260	245	291	247	10.2	9.6	11.4	9.7
1914	B	317	302	348	279	12.5	11.9	13.7	11.0
1915	B	207	173	230	256	8.1	6.8	9.0	10.1
1916	B	249	229	263	296	9.8	9.0	10.4	11.6
1917	B	261	246	292	256	10.3	9.7	11.5	10.1

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1918	B	219	199	233	210	8.6	7.8	9.2	8.3
1919	B	233	213	247	227	9.2	8.4	9.7	8.9
1920	B	302	287	332	288	11.9	11.3	13.1	11.3
1921	B	247	227	262	258	9.7	8.9	10.3	10.1
1922	B	259	244	290	309	10.2	9.6	11.4	12.2
1923	B	223	203	237	239	8.8	8.0	9.3	9.4
1924	B	185	152	208	152	7.3	6.0	8.2	6.0
1925	B	258	238	272	263	10.2	9.4	10.7	10.4
1926	B	218	198	233	209	8.6	7.8	9.2	8.2
1927	B	185	152	208	247	7.3	6.0	8.2	9.7
1928	B	216	183	239	185	8.5	7.2	9.4	7.3
1929	B	186	152	209	189	7.3	6.0	8.2	7.4
1930	B	264	249	295	209	10.4	9.8	11.6	8.2
1931	B	189	156	212	204	7.4	6.1	8.4	8.0
1932	B	297	282	328	341	11.7	11.1	12.9	13.4
1933	B	205	172	229	192	8.1	6.8	9.0	7.6
1934	B	153	119	176	159	6.0	4.7	6.9	6.2
1935	B	277	262	308	278	10.9	10.3	12.1	11.0
1936	B	200	166	223	221	7.9	6.5	8.8	8.7
1937	B	322	306	352	308	12.7	12.1	13.9	12.1
1938	B	263	248	293	272	10.3	9.7	11.5	10.7
1939	B	214	181	238	291	8.4	7.1	9.4	11.4
1940	B	235	215	249	217	9.2	8.5	9.8	8.5
1941	B	301	286	332	398	11.9	11.3	13.1	15.7
1942	B	259	244	290	220	10.2	9.6	11.4	8.7
1943	B	241	221	256	246	9.5	8.7	10.1	9.7
1944	B	236	216	250	239	9.3	8.5	9.8	9.4
1945	B	253	233	267	314	9.9	9.2	10.5	12.4
1946	B	251	231	266	218	9.9	9.1	10.5	8.6
1947	B	259	244	290	249	10.2	9.6	11.4	9.8
1948	B	187	154	210	198	7.4	6.1	8.3	7.8
1949	B	288	273	318	274	11.3	10.7	12.5	10.8
1950	B	181	148	205	161	7.1	5.8	8.1	6.3
1951	B	202	169	225	184	7.9	6.6	8.9	7.2
1952	B	293	278	323	326	11.5	10.9	12.7	12.8
1953	B	174	141	197	139	6.9	5.5	7.8	5.5
1954	B	219	199	233	227	8.6	7.8	9.2	8.9
1955	B	248	228	262	273	9.7	9.0	10.3	10.7
1956	B	197	163	220	120	7.7	6.4	8.7	4.7
1957	B	246	226	260	208	9.7	8.9	10.2	8.2
1958	B	257	237	271	344	10.1	9.3	10.7	13.5
1959	B	170	137	194	179	6.7	5.4	7.6	7.1
1960	B	216	183	239	189	8.5	7.2	9.4	7.5
1961	B	201	167	224	247	7.9	6.6	8.8	9.7
1962	B	274	259	304	191	10.8	10.2	12.0	7.5
1963	B	214	180	237	225	8.4	7.1	9.3	8.9
1964	B	253	233	267	175	10.0	9.2	10.5	6.9
1965	C	235	207	259	255	9.3	8.2	10.2	10.0
1966	C	216	188	239	232	8.5	7.4	9.4	9.1
1967	C	284	258	325	322	11.2	10.1	12.8	12.7
1968	C	205	177	228	221	8.1	7.0	9.0	8.7

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1969	C	339	313	381	344	13.4	12.3	15.0	13.6
1970	C	212	184	235	219	8.4	7.3	9.3	8.6
1971	C	299	273	341	212	11.8	10.7	13.4	8.3
1972	C	186	158	209	200	7.3	6.2	8.2	7.9
1973	C	301	274	342	338	11.8	10.8	13.5	13.3
1974	C	171	143	194	148	6.7	5.6	7.6	5.8
1975	C	300	274	342	308	11.8	10.8	13.5	12.1
1976	C	226	199	250	255	8.9	7.8	9.8	10.0
1977	C	217	189	241	230	8.6	7.5	9.5	9.1
1978	C	333	306	374	410	13.1	12.1	14.7	16.2
1979	C	280	254	321	355	11.0	10.0	12.7	14.0
1980	C	307	280	348	383	12.1	11.0	13.7	15.1
1981	C	237	209	260	253	9.3	8.2	10.3	10.0
1982	C	256	228	280	348	10.1	9.0	11.0	13.7

G.6 Bill Williams River Watershed Reconstruction

Watershed: Bill Williams (Bill Williams, Big Sandy, Santa Maria & Burro)
Reconstruction type: precipitation
Season: winter (previous Oct - current Apr)
Reconstruction units: mm & in

Year: current year
Model: letter indicating subperiod model used for each year of reconstruction (see Table F.4)
Rec (units): reconstructed precipitation in mm & in
Lower_50: lower bound of 50% CI on reconstruction (from median(negative residuals)
Upper 50: upper bound of 50% CI on reconstruction (from median(positive residuals)
Obs: Average depth of prcp (mm & in) over target watershed based on PRISM data

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1603	A	197	171	226		7.8	6.7	8.9	
1604	A	221	172	271		8.7	6.8	10.7	
1605	A	221	172	271		8.7	6.8	10.7	
1606	A	165	139	194		6.5	5.5	7.6	
1607	A	167	140	195		6.6	5.5	7.7	
1608	A	162	136	191		6.4	5.4	7.5	
1609	A	209	160	259		8.2	6.3	10.2	
1610	A	226	177	276		8.9	7.0	10.9	
1611	A	146	119	175		5.7	4.7	6.9	
1612	A	108	90	118		4.2	3.5	4.7	
1613	A	93	75	104		3.7	3.0	4.1	
1614	A	186	159	215		7.3	6.3	8.5	
1615	A	222	172	271		8.7	6.8	10.7	
1616	A	222	173	272		8.7	6.8	10.7	
1617	A	217	168	267		8.6	6.6	10.5	
1618	A	221	172	271		8.7	6.8	10.7	
1619	A	195	168	224		7.7	6.6	8.8	
1620	A	222	173	272		8.7	6.8	10.7	
1621	A	221	172	271		8.7	6.8	10.7	
1622	A	147	120	176		5.8	4.7	6.9	
1623	A	38	20	49		1.5	0.8	1.9	
1624	A	93	75	104		3.7	2.9	4.1	
1625	A	221	172	271		8.7	6.8	10.7	
1626	A	119	101	130		4.7	4.0	5.1	
1627	A	232	182	281		9.1	7.2	11.1	
1628	A	144	118	173		5.7	4.7	6.8	
1629	A	221	172	271		8.7	6.8	10.7	
1630	A	209	160	259		8.2	6.3	10.2	
1631	A	132	114	143		5.2	4.5	5.6	
1632	A	49	31	60		1.9	1.2	2.4	
1633	A	203	154	253		8.0	6.1	10.0	
1634	A	146	120	175		5.7	4.7	6.9	
1635	A	223	174	273		8.8	6.8	10.7	
1636	A	221	172	271		8.7	6.8	10.7	
1637	A	124	106	135		4.9	4.2	5.3	
1638	A	178	152	207		7.0	6.0	8.2	
1639	A	183	157	212		7.2	6.2	8.3	
1640	A	226	176	276		8.9	6.9	10.9	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1641	A	222	172	272		8.7	6.8	10.7	
1642	A	205	155	255		8.1	6.1	10.0	
1643	A	136	118	146		5.3	4.6	5.8	
1644	A	219	169	269		8.6	6.7	10.6	
1645	A	203	153	253		8.0	6.0	10.0	
1646	A	106	88	117		4.2	3.5	4.6	
1647	A	192	166	221		7.6	6.5	8.7	
1648	A	66	48	77		2.6	1.9	3.0	
1649	A	222	173	272		8.8	6.8	10.7	
1650	A	201	152	251		7.9	6.0	9.9	
1651	A	203	153	252		8.0	6.0	9.9	
1652	A	131	113	142		5.2	4.4	5.6	
1653	A	102	84	113		4.0	3.3	4.4	
1654	A	61	43	72		2.4	1.7	2.8	
1655	A	221	172	271		8.7	6.8	10.7	
1656	A	222	172	271		8.7	6.8	10.7	
1657	A	161	135	190		6.3	5.3	7.5	
1658	B	129	116	145		5.1	4.5	5.7	
1659	B	184	149	207		7.2	5.9	8.1	
1660	B	213	164	269		8.4	6.5	10.6	
1661	B	204	169	227		8.0	6.7	8.9	
1662	B	168	134	191		6.6	5.3	7.5	
1663	B	187	152	209		7.3	6.0	8.2	
1664	B	171	136	194		6.7	5.4	7.6	
1665	B	95	82	112		3.8	3.2	4.4	
1666	B	123	110	139		4.9	4.3	5.5	
1667	B	108	95	124		4.2	3.7	4.9	
1668	B	104	91	120		4.1	3.6	4.7	
1669	B	118	105	135		4.7	4.1	5.3	
1670	B	55	42	71		2.2	1.7	2.8	
1671	B	198	163	220		7.8	6.4	8.7	
1672	B	227	178	283		8.9	7.0	11.1	
1673	B	226	177	282		8.9	7.0	11.1	
1674	B	235	187	291		9.3	7.4	11.5	
1675	B	104	91	120		4.1	3.6	4.7	
1676	B	98	85	114		3.9	3.3	4.5	
1677	B	230	182	286		9.1	7.2	11.3	
1678	B	137	124	153		5.4	4.9	6.0	
1679	B	125	112	141		4.9	4.4	5.6	
1680	B	237	189	293		9.3	7.4	11.5	
1681	B	225	177	281		8.9	7.0	11.1	
1682	B	190	155	212		7.5	6.1	8.4	
1683	B	198	164	221		7.8	6.4	8.7	
1684	B	61	47	77		2.4	1.9	3.0	
1685	B	96	82	112		3.8	3.2	4.4	
1686	B	112	99	128		4.4	3.9	5.0	
1687	B	249	201	305		9.8	7.9	12.0	
1688	B	220	171	276		8.7	6.7	10.9	
1689	B	227	179	283		8.9	7.0	11.1	
1690	B	165	130	188		6.5	5.1	7.4	
1691	B	175	140	198		6.9	5.5	7.8	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1692	B	219	170	275		8.6	6.7	10.8	
1693	B	147	112	170		5.8	4.4	6.7	
1694	B	122	109	138		4.8	4.3	5.4	
1695	B	208	173	230		8.2	6.8	9.1	
1696	B	146	111	169		5.7	4.4	6.6	
1697	B	172	137	195		6.8	5.4	7.7	
1698	B	116	103	132		4.6	4.0	5.2	
1699	B	229	181	285		9.0	7.1	11.2	
1700	B	122	109	138		4.8	4.3	5.4	
1701	B	225	176	280		8.8	6.9	11.0	
1702	B	137	123	153		5.4	4.9	6.0	
1703	B	84	71	100		3.3	2.8	3.9	
1704	B	166	132	189		6.6	5.2	7.5	
1705	B	232	184	288		9.1	7.2	11.3	
1706	B	215	167	271		8.5	6.6	10.7	
1707	B	96	83	113		3.8	3.3	4.4	
1708	B	110	97	126		4.3	3.8	5.0	
1709	B	124	110	140		4.9	4.3	5.5	
1710	B	250	202	306		9.9	7.9	12.1	
1711	B	205	170	228		8.1	6.7	9.0	
1712	B	207	173	230		8.2	6.8	9.1	
1713	B	153	118	176		6.0	4.7	6.9	
1714	B	164	130	187		6.5	5.1	7.4	
1715	B	97	84	113		3.8	3.3	4.4	
1716	B	120	107	136		4.7	4.2	5.4	
1717	B	210	175	233		8.3	6.9	9.2	
1718	B	237	188	292		9.3	7.4	11.5	
1719	B	221	173	277		8.7	6.8	10.9	
1720	B	229	180	285		9.0	7.1	11.2	
1721	B	118	104	134		4.6	4.1	5.3	
1722	B	75	62	91		3.0	2.4	3.6	
1723	B	221	172	277		8.7	6.8	10.9	
1724	B	110	97	126		4.3	3.8	5.0	
1725	B	170	135	192		6.7	5.3	7.6	
1726	B	234	185	290		9.2	7.3	11.4	
1727	B	120	107	137		4.7	4.2	5.4	
1728	B	93	80	109		3.7	3.1	4.3	
1729	B	66	53	82		2.6	2.1	3.2	
1730	B	185	150	208		7.3	5.9	8.2	
1731	B	207	173	230		8.2	6.8	9.1	
1732	B	179	145	202		7.1	5.7	8.0	
1733	B	96	82	112		3.8	3.2	4.4	
1734	B	194	160	217		7.7	6.3	8.6	
1735	B	58	45	74		2.3	1.8	2.9	
1736	B	133	120	149		5.2	4.7	5.9	
1737	B	128	115	145		5.1	4.5	5.7	
1738	B	222	174	278		8.7	6.8	10.9	
1739	B	78	65	95		3.1	2.6	3.7	
1740	B	143	108	166		5.6	4.3	6.5	
1741	B	232	183	288		9.1	7.2	11.3	
1742	B	117	103	133		4.6	4.1	5.2	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1743	B	253	204	309		9.9	8.0	12.1	
1744	B	209	174	232		8.2	6.9	9.1	
1745	B	224	176	280		8.8	6.9	11.0	
1746	B	235	186	291		9.2	7.3	11.4	
1747	B	197	163	220		7.8	6.4	8.7	
1748	B	24	11	40		0.9	0.4	1.6	
1749	B	261	212	316		10.3	8.3	12.5	
1750	B	142	108	165		5.6	4.2	6.5	
1751	B	110	97	127		4.3	3.8	5.0	
1752	B	58	45	74		2.3	1.8	2.9	
1753	B	154	120	177		6.1	4.7	7.0	
1754	B	122	109	138		4.8	4.3	5.4	
1755	B	127	113	143		5.0	4.5	5.6	
1756	B	212	163	268		8.3	6.4	10.5	
1757	B	191	156	213		7.5	6.1	8.4	
1758	B	236	187	292		9.3	7.4	11.5	
1759	B	189	155	212		7.4	6.1	8.3	
1760	B	195	161	218		7.7	6.3	8.6	
1761	B	151	117	174		6.0	4.6	6.9	
1762	B	206	171	229		8.1	6.7	9.0	
1763	B	103	90	119		4.0	3.5	4.7	
1764	B	262	214	318		10.3	8.4	12.5	
1765	B	143	109	166		5.6	4.3	6.5	
1766	B	229	180	285		9.0	7.1	11.2	
1767	B	202	167	224		7.9	6.6	8.8	
1768	B	134	121	150		5.3	4.8	5.9	
1769	B	159	124	182		6.3	4.9	7.2	
1770	B	132	119	148		5.2	4.7	5.8	
1771	B	232	183	287		9.1	7.2	11.3	
1772	B	168	133	191		6.6	5.2	7.5	
1773	B	49	35	65		1.9	1.4	2.6	
1774	B	145	111	168		5.7	4.4	6.6	
1775	B	242	193	297		9.5	7.6	11.7	
1776	B	170	136	193		6.7	5.3	7.6	
1777	B	132	118	148		5.2	4.7	5.8	
1778	B	89	76	106		3.5	3.0	4.2	
1779	B	157	123	180		6.2	4.8	7.1	
1780	B	121	108	138		4.8	4.3	5.4	
1781	B	204	170	227		8.0	6.7	8.9	
1782	B	88	74	104		3.4	2.9	4.1	
1783	B	233	184	289		9.2	7.3	11.4	
1784	B	272	223	328		10.7	8.8	12.9	
1785	B	83	70	99		3.3	2.7	3.9	
1786	B	198	163	220		7.8	6.4	8.7	
1787	B	260	212	316		10.3	8.3	12.5	
1788	B	80	67	96		3.2	2.6	3.8	
1789	B	154	119	177		6.1	4.7	7.0	
1790	B	111	97	127		4.4	3.8	5.0	
1791	B	226	177	282		8.9	7.0	11.1	
1792	B	235	186	290		9.2	7.3	11.4	
1793	B	253	204	309		10.0	8.1	12.2	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1794	B	110	97	127		4.3	3.8	5.0	
1795	B	206	171	228		8.1	6.7	9.0	
1796	B	112	99	128		4.4	3.9	5.1	
1797	B	117	103	133		4.6	4.1	5.2	
1798	B	117	104	134		4.6	4.1	5.3	
1799	B	220	172	276		8.7	6.8	10.9	
1800	B	100	86	116		3.9	3.4	4.6	
1801	B	100	86	116		3.9	3.4	4.6	
1802	B	223	175	279		8.8	6.9	11.0	
1803	B	116	103	132		4.6	4.0	5.2	
1804	B	210	176	233		8.3	6.9	9.2	
1805	B	112	98	128		4.4	3.9	5.0	
1806	B	191	157	214		7.5	6.2	8.4	
1807	B	133	120	150		5.3	4.7	5.9	
1808	B	127	114	143		5.0	4.5	5.6	
1809	B	134	121	151		5.3	4.8	5.9	
1810	B	107	94	124		4.2	3.7	4.9	
1811	B	221	172	277		8.7	6.8	10.9	
1812	B	173	139	196		6.8	5.5	7.7	
1813	B	52	38	68		2.0	1.5	2.7	
1814	B	146	111	169		5.7	4.4	6.6	
1815	B	181	146	204		7.1	5.8	8.0	
1816	B	231	182	287		9.1	7.2	11.3	
1817	B	125	112	141		4.9	4.4	5.6	
1818	B	99	86	115		3.9	3.4	4.5	
1819	B	160	126	183		6.3	5.0	7.2	
1820	B	75	62	92		3.0	2.5	3.6	
1821	B	233	184	289		9.2	7.3	11.4	
1822	B	52	39	69		2.1	1.5	2.7	
1823	B	125	112	141		4.9	4.4	5.5	
1824	B	216	168	272		8.5	6.6	10.7	
1825	B	178	143	200		7.0	5.6	7.9	
1826	B	215	166	270		8.4	6.5	10.6	
1827	B	172	138	195		6.8	5.4	7.7	
1828	B	271	222	327		10.7	8.7	12.9	
1829	B	71	57	87		2.8	2.3	3.4	
1830	B	158	124	181		6.2	4.9	7.1	
1831	B	233	184	289		9.2	7.3	11.4	
1832	B	203	168	226		8.0	6.6	8.9	
1833	B	265	217	321		10.4	8.5	12.6	
1834	B	144	109	166		5.7	4.3	6.6	
1835	B	162	127	185		6.4	5.0	7.3	
1836	B	156	121	179		6.1	4.8	7.0	
1837	B	124	111	140		4.9	4.4	5.5	
1838	B	240	191	296		9.4	7.5	11.6	
1839	B	230	181	286		9.0	7.1	11.2	
1840	B	194	159	216		7.6	6.3	8.5	
1841	B	84	71	101		3.3	2.8	4.0	
1842	B	115	101	131		4.5	4.0	5.2	
1843	B	187	153	210		7.4	6.0	8.3	
1844	B	256	208	312		10.1	8.2	12.3	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1845	B	61	48	77		2.4	1.9	3.0	
1846	B	181	147	204		7.1	5.8	8.0	
1847	B	55	42	71		2.2	1.6	2.8	
1848	B	286	238	342		11.3	9.4	13.5	
1849	B	245	196	301		9.6	7.7	11.8	
1850	B	224	176	280		8.8	6.9	11.0	
1851	B	91	77	107		3.6	3.1	4.2	
1852	B	221	172	277		8.7	6.8	10.9	
1853	B	190	155	213		7.5	6.1	8.4	
1854	B	144	109	167		5.7	4.3	6.6	
1855	B	206	171	228		8.1	6.7	9.0	
1856	B	138	103	161		5.4	4.1	6.3	
1857	B	66	53	82		2.6	2.1	3.2	
1858	B	219	170	275		8.6	6.7	10.8	
1859	B	109	96	126		4.3	3.8	4.9	
1860	B	168	133	191		6.6	5.2	7.5	
1861	B	117	104	133		4.6	4.1	5.2	
1862	B	241	192	297		9.5	7.6	11.7	
1863	B	83	70	99		3.3	2.7	3.9	
1864	B	107	94	123		4.2	3.7	4.9	
1865	B	225	176	280		8.8	6.9	11.0	
1866	B	262	214	318		10.3	8.4	12.5	
1867	B	208	174	231		8.2	6.8	9.1	
1868	B	260	211	315		10.2	8.3	12.4	
1869	B	146	112	169		5.8	4.4	6.7	
1870	B	100	86	116		3.9	3.4	4.6	
1871	B	99	85	115		3.9	3.4	4.5	
1872	B	117	103	133		4.6	4.1	5.2	
1873	B	120	107	136		4.7	4.2	5.4	
1874	B	226	178	282		8.9	7.0	11.1	
1875	B	158	124	181		6.2	4.9	7.1	
1876	B	110	97	127		4.3	3.8	5.0	
1877	B	120	107	136		4.7	4.2	5.4	
1878	B	198	164	221		7.8	6.4	8.7	
1879	B	77	64	94		3.0	2.5	3.7	
1880	B	128	115	144		5.0	4.5	5.7	
1881	B	126	113	142		5.0	4.4	5.6	
1882	B	112	99	128		4.4	3.9	5.0	
1883	B	131	118	148		5.2	4.7	5.8	
1884	B	213	165	269		8.4	6.5	10.6	
1885	B	203	169	226		8.0	6.6	8.9	
1886	B	147	112	169		5.8	4.4	6.7	
1887	B	112	98	128		4.4	3.9	5.0	
1888	B	208	173	231		8.2	6.8	9.1	
1889	B	220	172	276		8.7	6.8	10.9	
1890	B	235	186	290		9.2	7.3	11.4	
1891	B	195	161	218		7.7	6.3	8.6	
1892	B	162	127	185		6.4	5.0	7.3	
1893	B	145	110	167		5.7	4.3	6.6	
1894	B	122	109	138		4.8	4.3	5.4	
1895	B	209	174	231		8.2	6.8	9.1	

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1896	B	95	82	112		3.8	3.2	4.4	
1897	B	221	172	277		8.7	6.8	10.9	
1898	B	161	126	184		6.3	5.0	7.2	
1899	B	61	48	77		2.4	1.9	3.1	
1900	B	118	105	135		4.7	4.1	5.3	
1901	B	170	135	193	163	6.7	5.3	7.6	6.4
1902	B	77	63	93	66	3.0	2.5	3.7	2.6
1903	B	221	173	277	124	8.7	6.8	10.9	4.9
1904	B	56	42	72	35	2.2	1.7	2.8	1.4
1905	B	276	227	332	320	10.9	8.9	13.1	12.6
1906	B	283	234	339	263	11.1	9.2	13.3	10.4
1907	B	266	218	322	214	10.5	8.6	12.7	8.4
1908	B	219	170	275	204	8.6	6.7	10.8	8.0
1909	B	228	179	284	167	9.0	7.1	11.2	6.6
1910	B	162	128	185	112	6.4	5.0	7.3	4.4
1911	B	218	170	274	188	8.6	6.7	10.8	7.4
1912	B	210	175	233	143	8.3	6.9	9.2	5.6
1913	B	122	109	138	118	4.8	4.3	5.5	4.7
1914	B	222	174	278	137	8.7	6.8	10.9	5.4
1915	B	217	169	273	250	8.6	6.6	10.8	9.8
1916	B	229	180	285	218	9.0	7.1	11.2	8.6
1917	B	232	184	288	176	9.2	7.2	11.4	6.9
1918	B	143	109	166	134	5.6	4.3	6.5	5.3
1919	B	223	174	279	125	8.8	6.9	11.0	4.9
1920	B	225	176	280	293	8.8	6.9	11.0	11.5
1921	B	143	109	166	110	5.6	4.3	6.5	4.3
1922	B	222	174	278	225	8.7	6.8	10.9	8.8
1923	B	130	116	146	119	5.1	4.6	5.7	4.7
1924	B	139	104	162	161	5.5	4.1	6.4	6.3
1925	B	157	123	180	110	6.2	4.8	7.1	4.3
1926	B	200	165	223	206	7.9	6.5	8.8	8.1
1927	B	160	126	183	250	6.3	5.0	7.2	9.8
1928	B	121	108	137	136	4.8	4.2	5.4	5.4
1929	B	123	110	139	101	4.8	4.3	5.5	4.0
1930	B	219	171	275	107	8.6	6.7	10.8	4.2
1931	B	148	114	171	204	5.8	4.5	6.7	8.0
1932	B	221	172	276	233	8.7	6.8	10.9	9.2
1933	B	144	110	167	147	5.7	4.3	6.6	5.8
1934	B	93	80	110	80	3.7	3.2	4.3	3.1
1935	B	205	171	228	235	8.1	6.7	9.0	9.3
1936	B	123	109	139	97	4.8	4.3	5.5	3.8
1937	B	234	186	290	257	9.2	7.3	11.4	10.1
1938	B	130	117	147	141	5.1	4.6	5.8	5.5
1939	B	116	103	132	154	4.6	4.0	5.2	6.1
1940	B	183	148	205	132	7.2	5.8	8.1	5.2
1941	B	211	162	267	387	8.3	6.4	10.5	15.2
1942	B	147	113	170	157	5.8	4.4	6.7	6.2
1943	B	117	104	134	146	4.6	4.1	5.3	5.8
1944	B	174	140	197	211	6.9	5.5	7.8	8.3
1945	B	150	116	173	201	5.9	4.5	6.8	7.9
1946	B	112	99	128	127	4.4	3.9	5.0	5.0

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1947	B	105	92	121	113	4.1	3.6	4.8	4.4
1948	B	125	112	142	110	4.9	4.4	5.6	4.3
1949	B	249	201	305	195	9.8	7.9	12.0	7.7
1950	B	122	109	138	111	4.8	4.3	5.4	4.4
1951	B	76	63	92	105	3.0	2.5	3.6	4.1
1952	B	260	212	316	286	10.2	8.3	12.4	11.3
1953	B	120	107	136	116	4.7	4.2	5.4	4.6
1954	B	179	145	202	173	7.1	5.7	8.0	6.8
1955	B	121	108	137	83	4.8	4.2	5.4	3.3
1956	B	79	65	95	47	3.1	2.6	3.7	1.9
1957	B	187	153	210	144	7.4	6.0	8.3	5.7
1958	B	210	176	233	242	8.3	6.9	9.2	9.5
1959	B	98	85	115	112	3.9	3.4	4.5	4.4
1960	B	177	142	200	183	7.0	5.6	7.9	7.2
1961	B	101	88	118	101	4.0	3.5	4.6	4.0
1962	B	181	147	204	158	7.1	5.8	8.0	6.2
1963	B	75	62	91	115	2.9	2.4	3.6	4.5
1964	B	128	115	145	118	5.1	4.5	5.7	4.6
1965	B	232	183	288	223	9.1	7.2	11.3	8.8
1966	B	203	168	226	232	8.0	6.6	8.9	9.1
1967	B	161	126	184	137	6.3	5.0	7.2	5.4
1968	B	164	130	187	171	6.5	5.1	7.4	6.7
1969	B	202	167	225	172	8.0	6.6	8.9	6.8
1970	B	141	106	164	144	5.5	4.2	6.4	5.7
1971	B	66	53	82	75	2.6	2.1	3.2	3.0
1972	B	138	124	154	73	5.4	4.9	6.1	2.9
1973	B	232	183	288	344	9.1	7.2	11.3	13.6
1974	B	103	90	119	96	4.0	3.5	4.7	3.8
1975	B	205	170	228	147	8.1	6.7	9.0	5.8
1976	B	195	160	218	204	7.7	6.3	8.6	8.0
1977	B	82	69	98	74	3.2	2.7	3.9	2.9
1978	B	214	166	270	342	8.4	6.5	10.6	13.5
1979	B	240	191	295	337	9.4	7.5	11.6	13.3
1980	B	223	175	279	277	8.8	6.9	11.0	10.9
1981	B	97	84	113	107	3.8	3.3	4.5	4.2
1982	B	230	182	286	195	9.1	7.1	11.3	7.7
1983	B	220	172	276	268	8.7	6.8	10.9	10.5
1984	B	95	82	111	70	3.7	3.2	4.4	2.7
1985	B	224	175	280	223	8.8	6.9	11.0	8.8
1986	B	218	170	274	209	8.6	6.7	10.8	8.2
1987	A	197	170	225	148	7.7	6.7	8.9	5.8
1988	C	221	171	270	242	8.7	6.7	10.6	9.5
1989	C	68	52	81	92	2.7	2.0	3.2	3.6
1990	C	138	122	151	139	5.4	4.8	5.9	5.5
1991	C	222	172	271	187	8.7	6.8	10.7	7.4
1992	C	223	173	272	265	8.8	6.8	10.7	10.4
1993	C	210	180	244	393	8.3	7.1	9.6	15.5
1994	C	117	101	130	126	4.6	4.0	5.1	5.0
1995	C	223	173	272	274	8.8	6.8	10.7	10.8
1996	C	34	18	47	49	1.3	0.7	1.8	1.9
1997	C	189	158	223	130	7.4	6.2	8.8	5.1

Year	Model	Rec (mm)	Lower_50	Upper 50	Obs	Rec (in)	Lower_50	Upper 50	Obs
1998	C	223	173	272	216	8.8	6.8	10.7	8.5
1999	C	140	124	153	98	5.5	4.9	6.0	3.8
2000	C	74	58	87	77	2.9	2.3	3.4	3.0
2001	C	189	158	223	200	7.4	6.2	8.8	7.9
2002	C	43	27	56	55	1.7	1.1	2.2	2.2
2003	C	215	184	248	164	8.5	7.2	9.8	6.5
2004	C	110	94	123	132	4.3	3.7	4.8	5.2
2005	C	223	173	272	408	8.8	6.8	10.7	16.1
2006	C	110	94	123	76	4.3	3.7	4.9	3.0
2007	C	74	58	87	68	2.9	2.3	3.4	2.7
2008	C	223	173	272	150	8.8	6.8	10.7	5.9