Online Data Appendix to "National Parks and Economic Development"

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1 Data on the National Park System

1.1 Budget sources

- 2017: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2018, National Park Service. Pages: ONPS Summaries: 6 24. Table: Park and Program Summary: FY 2018 Greenbook (\$000), Column 5 "FY 2017 CR Baseline"
- 2016: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2017, National Park Service. Pages: ONPS Summaries: 9 19. Table: FY 2017 Park and Program Summary (\$000), Column 5 "FY 2016 Enacted (Ops Plan)"
- 2015: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2016, National Park Service. Pages: ONPS Summaries 8-19. Table: FY 2016 Park and Program Summary (\$000). Column 5 "FY 2015 Enacted (Ops Plan)"
- 2014: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2015, National Park Service. Pages ONPS 121-131. Table: FY 2015 Park and Program Summary (\$000), Column 5 "2014 Enacted (Ops Plan)"
- 2013: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2014, National Park Service. Pages ONPS 126-ONPS 135. Table: Park and Program Summary, FY 2014 President's request (\$000). Column 4 "2013 Full Yr CR (PL 112-175)"
- 2012: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2013, National Park Service. Pages: ONPS 112-121. Table: Park and program summary, FY 2013 President's request, (\$000). Column 5 "FY 2012 Adjusted Enacted"
- 2011: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2012, National Park Service. Pages ONPS 187-ONPS 197. Table: FY 2012 Park and Program Summary, President's Request (\$000). Column 5 "FY 2010 Adjusted Enacted / FY 2011 CR"
- 2010: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2011, National Park Service. Pages ONPS 164 174. Table: FY 2011 Park and Program Summary, President's Request, (\$000). Column 5 "FY 2010 Enacted"
- 2009: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2010, National Park Service. Pages ONPS 179-187. Table: FY 2010 Park and Program Summary, President's Request (Greenbook) (\$000). Column 5 "FY 2009 Enacted"

- 2008: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2009, National Park Service. Pages ONPS 183 ONPS 191. Table: FY 2009 Park and Program Summary, Greenbook(\$000), Column 4 "FY 2008 Enacted"
- 2007: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2009, National Park Service. Pages ONPS 183 ONPS 191. Table: FY 2009 Park and Program Summary, Greenbook(\$000), Column 3 "FY 2007 Enacted"
- 2006: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2006, National Park Service. Pages ONPS 135 – ONPS 147. Table: FY 2006 Park and Program Summary, Column 8 "FY 2006 Request"
- 2005: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2007, National Park Service. Pages ONPS 123 – ONPS 131. Table: FY 2007 Park and Program Summary (\$000), Column 3 "FY 2005 (Enacted)"
- 2004: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2006, National Park Service. Pages ONPS 135 – ONPS 147. Table: FY 2006 Park and Program Summary, Column 3 "FY 2004 (Enacted)"
- 2003: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2005, National Park Service. Pages ONPS 151 – ONPS 159. Table: FY 2006 Park and Program Summary. Column 2 "FY 2003 (Enacted \$)"
- 2002: The United States Department of the Interior Budget Justifications and Annual Performance Plan, FY 2004, National Park Service. From ONPS 125 (unnumbered appendix pages). Table: FY 2004 Park and Program Summary. Column 2 "FY 2002 Enacted"
- 2001: The United States Department of the Interior Budget Justifications and Annual Performance Plan, FY 2006, National Park Service. Pages ONPS 135-147. Table: FY 2006 Park and Program Summary. Column 2 "FY 2001 Enacted"
- 2000: The United States Department of the Interior Budget Justifications and Annual Performance Plan, FY 2002, National Park Service. Pages NPS 127-136. Table: FY 2002 Park and Program Summary. Column 2 "FY 2000 Enacted"
- 1999: Department of the Interior and related agencies appropriations for 2001: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Sixth Congress, second session / Subcommittee on the Department of the Interior and Related Agencies. The United States Department of the Interior Budget Justifications and Annual Performance Plan, FY 2001,

- National Park Service. Pages: NPS 213-223 (Pages 1599-1609). Table: FY 2001 Park and Program Summary. Column 2 "FY 1999 Enacted"
- 1998: Department of the Interior and related agencies appropriations for 2000: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Sixth Congress, first session / Subcommittee on the Department of the Interior and Related Agencies, The United States Department of the Interior Budget Justifications and Annual Performance Plan, FY 2000, National Park Service. Pages NPS 197-206 (Pages 1415-1424). Table: FY 2000 Park and Program Summary. Column 2 "FY 1998 Enacted"
- 1997: Department of the Interior and related agencies appropriations for 1999: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Fifth Congress, second session / Subcommittee on the Department of the Interior and Related Agencies, United States Department of the Interior Budget Justifications and Annual Performance Plan, F.Y. 1999, National Park Service. Pages NPS 156a-156i (Pages 1280-1288). Table: FY 1999 Park and Program Summary. Column 2 "FY 1997 Enacted"
- 1996: Department of the Interior and related agencies appropriations for 1998: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Fifth Congress, first session / Subcommittee on the Department of the Interior and Related Agencies, United States Department of the Interior Budget Justifications, F.Y. 1998, National Park Service. Table: FY 1998 Park and Program Summary. Pages NPS 147-154 (Pages 963-970). Column 2 "FY 1996 Enacted"
- 1995: Department of the Interior and related agencies appropriations for 1996: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Fourth Congress, first session / Subcommittee on the Department of the Interior and Related Agencies, United States Department of the Interior Budget Justifications, F.Y. 1996, National Park Service. Table: FY 1996 Park and Program Summary. NPS 144-150 (Pages 1196-1202). Column 4 "FY 1995 Enacted to Date"
- 1994: Department of the Interior and related agencies appropriations for 1995: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Third Congress, second session / Subcommittee on the Department of the Interior and Related Agencies. United States Department of the Interior Budget Justifications, F.Y. 1995, National Park Service. Pages NPS 160-172 (Pages 1446-1458). Table: FY 1995 Park and Program Summary Column 4 "FY 1994 Enacted to Date"
- 1993: Department of the Interior and related agencies appropriations for 1994: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Third Congress, first session / Subcommittee on the Department of the Interior and Related Agencies, United States

- Department of the Interior Budget Justifications, F.Y. 1994, National Park Service. NPS 190-204 (Pages 1218 1232) Column 4 "FY 1993 Enacted to date"
- 1992: Department of the Interior and related agencies appropriations for 1993: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Second Congress, second session / Subcommittee on the Department of the Interior and Related Agencies. NPS 206-222 (Pages 1335 1351) Column 4 "FY 1992 Enacted to date"
- 1991: Department of the Interior and related agencies appropriations for 1992: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Second Congress, first session / Subcommittee on the Department of the Interior and Related Agencies. NPS 241-258 (Pages 1416 1433) Column 4 "FY 1991 Enacted to date"
- 1990: Department of the Interior and related agencies appropriations for 1991: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundred First Congress, second session / Subcommittee on the Department of the Interior and Related Agencies. NPS 222-239 (Pages 1279 1296) Column 4 "FY 1990 POST SEQUESTER"
- 1989: Department of the Interior and related agencies appropriations for 1990: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundred First Congress, first session / Subcommittee on the Department of the Interior and Related Agencies. NPS 136-152 (Pages 959-975). Column 4 "Estimated Available FY 1989"
- 1988: Department of the Interior and related agencies appropriations for 1989 hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundredth Congress, second session / Subcommittee on the Department of the Interior and Related Agencies. NPS 135-147 (Pages 870-882). Column 4 "Estimated available FY 1988"
- 1987: Department of the Interior and related agencies appropriations for 1988: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundredth Congress, first session / Subcommittee on the Department of the Interior and Related Agencies. NPS 144-162 (Pages 859-877). Column 4 "Estimated available FY 1987"
- 1986: Department of the Interior and related agencies appropriations for 1987: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, Ninety-ninth Congress, second session / Subcommittee on the Department of the Interior and Related Agencies. NPS 118-135 (Pages 853-870). Column 4 "Estimated available FY 1986"
- 1985: United States Department of the Interior Budget Justifications, F. Y. 1986, National Park Service.

 NPS 97-109 (Pages 762-774). Column 4 "Estimated available FY 1985"

- 1984: United States. Congress. House. Committee on Appropriations. Subcommittee on Dept. of the Interior and Related Agencies. Department of the Interior and related agencies appropriations for 1985: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, Ninety-eighth Congress, second session. Washington: U.S. G.P.O. NPS 121-133 (Pages 923-935). Column 4 "Estimated available FY 1984"
- 1983: United States Department of the Interior Budget Justifications, F. Y. 1984, National Park Service. NPS 142-162 (Pages 902-922). Column 4 "Estimated available FY 1983"
- 1982: United States Department of the Interior Budget Justifications, F. Y. 1983, National Park Service. NPS 70-87 (Pages 750-767). Column 3 "Estimated available FY 1982"
- 1981: United States Department of the Interior, National Park Service, Fiscal 1982 Budget Justification.

 NPS 73-90 (Pages 1237-1254). Column 4 "Estimated available FY 1981"
- 1980: Department of the Interior and Related Agencies Appropriations for 1981. Hearings before a Subcommittee of the Committee on Appropriations House of Representatives, Ninety-Sixth Congress, Second Session, Subcommittee on the Department of the Interior and Related Agencies, Part I, Justification of the Budget Estimates, National Park Service. NPS 75-92 (Pages 1287-1304). Column 4 "Estimated available FY 1980"
- 1979: Department of the Interior and Related Agencies Appropriations for 1980. Hearings before a Subcommittee of the Committee on Appropriations House of Representatives, Ninety-Sixth Congress, First Session, Subcommittee on the Department of the Interior and Related Agencies, Part I, Justification Material, National Park Service. NPS 70-86 (Pages 933-949). Column 4 "Estimated available FY 1979"
- 1978: Department of the Interior and Related Agencies Appropriations for 1979. Hearings before a Subcommittee of the Committee on Appropriations House of Representatives, Ninety-Fifth Congress, Second Session, Subcommittee on the Department of the Interior and Related Agencies, Part 1, Justification Material, National Park Service. Pages 894-910. Column 2 "Estimated available FY 1978"
- 1977: Department of the Interior and Related Agencies Appropriations for 1978. Hearings before a Subcommittee of the Committee on Appropriations House of Representatives, Ninety-Fifth Congress, First Session, Subcommittee on the Department of the Interior and Related Agencies, Part 1, Justification Material, National Park Service. NP 45- NP 61 (Pages 533-549). Column 2 "Estimated available 1977"
- 1976: Department of the Interior and Related Agencies Appropriations for 1977. Hearings before a Subcommittee of the Committee on Appropriations House of Representatives, Ninety-Fourth Congress,

- Second Session, Subcommittee on the Department of the Interior and Related Agencies, Part 1, Justification Material, National Park Service. NP 32- NP 68 (Pages 353-388). Column 2 "Estimated available 1976." We sum ONPS and RF as applicable.
- 1975: Department of the Interior and Related Agencies Appropriations for 1976. Hearings before a Subcommittee of the Committee on Appropriations House of Representatives, Ninety-Fourth Congress, First Session, Subcommittee on the Department of the Interior and Related Agencies, Part 2, National Park Service. Pages 889-925. Column 2 "Available 1975." We sum ONPS and RF as applicable.
- 1974: Department of the Interior and Related Agencies Appropriations for 1975. Hearings before a Subcommittee of the Committee on Appropriations House of Representatives, Ninety-Third Congress, Second Session, Subcommittee on the Department of the Interior and Related Agencies, Part 4, National Park Service. Pages 90-127. Column 2 "Available 1974." We sum ONPS and RF as applicable.
- 1973: Department of the Interior and Related Agencies Appropriations for 1974. Hearings before a Subcommittee of the Committee on Appropriations House of Representatives, Ninety-Third Congress, First Session, Subcommittee on the Department of the Interior and Related Agencies, Part 2, National Park Service. Pages 335-364. Column 2 "Available 1973." We sum ONPS and RF as applicable.
- 1972: Department of the Interior and Related Agencies Appropriations for 1973. Hearings before a Sub-committee of the Committee on Appropriations House of Representatives, Ninety-Second Congress, Second Session, Subcommittee on the Department of the Interior and Related Agencies, Part 2, National Park Service. Pages 624-675. Column 2 "Available 1972." Total figure (The sum of PM, F&FC, R&T and B&U as applicable).

1.2 Acreage sources

- 2017: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2019, National Park Service. Pages: ONPS 89-98. Table: Operation of the National Park System, Column 4 "Acreage FY 2017 Gross"
- 2016: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2018, National Park Service. Pages: ONPS Summaries: 25 34. Table: Operation of the National Park System, Column 4 "Acreage FY 2016 Gross"
- 2015: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2017, National Park Service. Pages: ONPS-summaries 26-36. Column 4 "Acreage FY 2015 Gross"

- 2014: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2016, National Park Service. Pages: ONPS-summaries 27-37. Column 4 "Acreage FY 2014 Gross"
- 2013: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2015, National Park Service. Pages: ONPS138-145. Column 4 "Acreage FY 2013 Gross"
- 2012: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2014, National Park Service. Pages ONPS142-149. (No table title). Column 4 "Acreage FY 2012 Gross"
- 2011: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2013, National Park Service. Pages ONPS128-135. Table: Visitation and Acreage Summary. Column 4 "Acreage FY 2011 Gross"
- 2010: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2012, National Park Service. Pages ONPS 205-ONPS 2013. Table: Visitation and Acreage Summary. Column 4 "Acreage FY 2010 Gross"
- 2009: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2011, National Park Service. Pages: ONPS183-191. Table: Visitation and Acreage Summary. Column 4 "Acreage FY 2009 Gross"
- 2008: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2010, National Park Service, Pages ONPS 179-187. Table: FY 2010 Park and Program Summary, President's Request (Greenbook) (\$000). Column 10 "Acreage, FY 2008 Gross"
- 2007: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2009, National Park Service. Pages ONPS 183 ONPS 191. Table: FY 2009 Park and Program Summary, Greenbook(\$000), Column 9 "Acreage, FY 2007, Gross"
- 2006: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2008, National Park Service. Pages ONPS: 185-193. Table: FY 2008 Park and Program Summary, Greenbook (\$000), Column 9 "Acreage, Gross FY 2006"
- 2005: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2007, National Park Service. Pages ONPS 123 – ONPS 131. Table: FY 2007 Park and Program Summary (\$000), Column 9 "Acreage, Gross FY 2005"
- 2004: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2006, National Park Service. Pages ONPS 135 – ONPS 147, Table: FY 2006 Park and Program Summary, Column 10 "Gross Acreage FY 2004"

- 2003: The United States of Department of the Interior: Budget Justifications and Performance Information, Fiscal Year 2005, National Park Service. Table title: NPS FY 2005 Park and Program Summary: ONPS: 151-159. Column 10 "FY 2003 Gross Acreage"
- 2002: United States Department of the Interior: Budget Justifications and Annual Performance Plan, FY 2004. Table title: FY 2004 Park and Program Summary: From ONPS 125 (unnumbered appendix pages). Column 9 "FY2002 Gross Acreage"
- 2001: United States Department of the Interior: Budget Justifications and Annual Performance Plan, FY 2003. Table title: FY 2003 Park and Program Summary: NPS 119-128. Column 9 "FY2001 Gross Acreage"
- 2000: United States Department of the Interior: Budget Justifications and Annual Performance Plan, FY 2002. Table title: FY 2002 Park and Program Summary: NPS 127-136. Column 9 "FY00 Gross Acreage"
- 1999: Department of the Interior and related agencies appropriations for 2001: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Sixth Congress, second session / Subcommittee on the Department of the Interior and Related Agencies, United States Department of the Interior: Budget Justifications and Annual Performance Plan, FY 2001. Table title: FY 2001 Park and Program Summary: NPS 213-223 (Pages 1599-1609). Column 9 "FY99 Gross Acreage"
- 1998: Department of the Interior and related agencies appropriations for 2000: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Sixth Congress, first session / Subcommittee on the Department of the Interior and Related Agencies. The United States of Department of the Interior: Budget Justifications and Annual Performance Plan for Fiscal Year 2000. Table title: FY 2000 Park and Program Summary: NPS 197-206 (Pages 1415-1424). Column 9 "Total Gross Acreage 9/30/98"
- 1997: Department of the Interior and related agencies appropriations for 1999: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Fifth Congress, second session / Subcommittee on the Department of the Interior and Related Agencies, United States Department of the Interior: Budget Justifications and Annual Performance Plan, FY 1999. Table title: FY 1999 Park and Program Summary: NPS 156a-156i (Pages1280-1288). Column 9 "Total Gross Acreage 9/30/97"
- 1996: Department of the Interior and related agencies appropriations for 1998: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Fifth Congress,

- first session / Subcommittee on the Department of the Interior and Related Agencies, United States Department of the Interior, Budget Justifications, F.Y. 1998. Table title: FY 1998 Park and Program Summary: NPS 147-154 (Pages 963-970). Column 11 "Total Gross Acreage 9/30/96"
- 1995: Department of the Interior and related agencies appropriations for 1997: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Fourth Congress, second session / Subcommittee on the Department of the Interior and Related Agencies, United States Department of the Interior, Budget Justifications, F.Y. 1997. Table title: FY 1997 Park and Program Summary: NPS 136-142 (Pages 1004-1010). Column 11 "Total Gross Acreage 9/30/95"
- 1994: Department of the Interior and related agencies appropriations for 1996: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Fourth Congress, first session / Subcommittee on the Department of the Interior and Related Agencies. United States Department of the Interior Budget Justifications, F.Y. 1996, National Park Service. NPS 144-150 (Pages 1196 1202) Column 11 "Total Gross Acreage"
- 1993: Department of the Interior and related agencies appropriations for 1995: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Third Congress, second session / Subcommittee on the Department of the Interior and Related Agencies. United States Department of the Interior Budget Justifications, F.Y. 1995, National Park Service. NPS 160-172 (Pages 1446 1458) Column 11 "Total Gross Acreage"
- 1992: Department of the Interior and related agencies appropriations for 1994: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Third Congress, first session / Subcommittee on the Department of the Interior and Related Agencies, United States Department of the Interior Budget Justifications, F.Y. 1994, National Park Service. NPS 190-204 (Pages 1218 1232) Column 11 "Total Gross Acreage"
- 1991: Department of the Interior and related agencies appropriations for 1993: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Second Congress, second session / Subcommittee on the Department of the Interior and Related Agencies. NPS 206-222 (Pages 1335 1351) Column 11 "Total Gross Acreage"
- 1990: Department of the Interior and related agencies appropriations for 1992: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Second Congress, first session / Subcommittee on the Department of the Interior and Related Agencies. NPS 241-258 (Pages 1416 1433) Column 11 "Total Gross Acreage"
- 1989: Department of the Interior and related agencies appropriations for 1991: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundred First Congress,

- second session / Subcommittee on the Department of the Interior and Related Agencies. NPS 222-239 (Pages 1279 1296) Column 11 "Total Gross Acreage"
- 1988: Department of the Interior and related agencies appropriations for 1990: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundred First Congress, first session / Subcommittee on the Department of the Interior and Related Agencies. NPS 136-152 (Pages 959-975). Column 11 "Total Gross Acreage"
- 1987: Department of the Interior and related agencies appropriations for 1989 hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundredth Congress, second session / Subcommittee on the Department of the Interior and Related Agencies. NPS 135-147 (Pages 870-882). Column 12 "Total Gross Acreage"
- 1986: Department of the Interior and related agencies appropriations for 1988: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, One Hundredth Congress, first session / Subcommittee on the Department of the Interior and Related Agencies. NPS 144-162 (Pages 859-877). Column 10 "Total Gross Acreage"

1942-1985:

- Department of the Interior and related agencies appropriations for 1987: hearings before a subcommittee of the Committee on Appropriations, House of Representatives, Ninety-ninth Congress, second session / Subcommittee on the Department of the Interior and Related Agencies. NPS 118-135 (Pages 853-870). Column 10 "Total Gross Acreage"
- The National parks, index, Division of Publications. and Office of Public Affairs. United States National Park Service, Washington, D.C. Years: 1985, 1982.
- Index, National Park system and related areas, United States National Park Service, U.S. Dept. of the Interior, Washington, D.C., 1979.
- Index of the National Park System and affiliated areas as of June 30, 1977, United States National Park Service, U.S. Dept. of the Interior, Washington, D.C., 1977.
- Index of the National Park System and affiliated areas as of January 1, 1975, United States National Park Service, U.S. Dept. of the Interior, Washington, D.C., 1975.
- National parks & landmarks, United States National Park Service, Washington, D.C. Years: 1972, 1968, 1966.
- Areas administered by the National Park Service, United States National Park Service, Washington,
 D.C. Years: 1965, 1964, 1963, 1962, 1961, 1960, 1959, 1957, 1956, 1955, 1954, 1953, 1951.

- Annual report of the Director of the National Park Service to the Secretary of the Interior for the fiscal year ended June 30, 1949, United States National Park Service, Washington, D.C.
- Annual report of the Director of the National Park Service to the Secretary of the Interior for the fiscal year ended June 30, 1948, United States National Park Service, Washington, D.C.
- Report of the Director of the National Park Service to the Secretary of the Interior for the fiscal year ended June 30 1947, United States National Park Service, Washington, D.C.
- Report of the Director of the National Park Service to the Secretary of the Interior for the fiscal year ended June 30 1945, United States National Park Service, Washington, D.C.
- The National Park System and other areas administered by the National Park Service, 1946. June 30, United States Department of the Interior, National Park Service, Washington, D.C.
- Report of the Director of the National Park Service to the Secretary of the Interior for the fiscal year ended June 30 1945, United States National Park Service, Washington, D.C.
- Annual Report of the Director of the National Park Service, Reprinted from the Annual Report of
 the Secretary of the Interior for the Fiscal Year ended June 30, 1944. United States Department of
 the Interior, National Park Service, Washington, D.C.
- Annual Report of the director of the national park service to the secretary of the Interior, Reprinted from the Annual Report of the Secretary of the Interior for the Fiscal Year ended June 1943, National Park Service, Washington, D.C.
- Annual Report of the director of the national park service to the secretary of the Interior, Reprinted from the Annual Report of the Secretary of the Interior for the Fiscal Year ended June 1942, National Park Service, Washington, D.C.

1.3 NPS GIS data

National Park Service unit boundaries and park centroids were downloaded from NPS website:

https://irma.nps.gov/DataStore/Reference/Profile/2224545?lnv=True

This can be merged to the rest of the data using the 4-letter unitcodes assigned by the Park Service to each park (see list at the end of this document). For combined parks, we merge each individual unit's boundaries.

1.4 Updating the electronically available official NPS visitor data

We start constructing our dataset using the NPS visitor data, which is available starting from 1904 and can be downloaded from

https://irma.nps.gov/STATS/Reports/National

This contains park level annual visitor information for the entire history of each park. Table B.1 describes our updates to this data.

For Biscayne NP, we replace visitor entries for 1993 and 1994 with missing values in our analysis. These values (19,950 and 25,150) are an order of magnitude smaller than values for 1992 (307,512) or 1995 (584,519). The reason for low visitation is likely hurricane Andrew, the most expensive natural disaster in US history at the time. This hurricane devastated Biscayne when its eye passed through the park in August 1992.

Table B.1: Updated visitor information

Unitcode	Years updated	Reason
ANITH	1000	Incorrect entry based on Public Use of the National Parks:
ANTI	1967	A Statistical Report 1960-1970
CHIC	1960-1975	Missing in online data
		Park contains both a National Battlefield and a Cemetery,
FODO	all years	with visitor numbers combined for all years. Updated to
	V	reflect combined National Battlefield and Cemetery.
7000	10=2	Missing in online data. Was temporarily closed, updated to
FOST	1975	0.
		Park contains both a National Battlefield and a Cemetery,
GETT	all years	with visitor numbers combined for all years. Updated to
	v	reflect combined National Battlefield and Cemetery.
		Part of combined park with Grand Canyon NM, Marble
GRCA	1940-53, 1965-79	Canyon NM, and Grand Canyon NP. Parts missing from
	,	online data.
		Park contains both a National Battlefield and a Cemetery,
PETE	all years	with visitor numbers combined for all years. Updated to
	v	reflect combined National Battlefield and Cemetery.
DOMO	1054.70	Part of combined park with Shadow Mountain. Shadow
ROMO	1954-78	Mountain visitor information missing in online data.
CATIT	D (1070	Before 1979 all number in online data are for San Juan,
SAJH	Before 1979	Puerto Rico, instead of San Juan Island NHP (Washington).
		Park contains both a National Battlefield and a Cemetery,
SHIL	all years	with visitor numbers combined for all years. Updated to
	v	reflect combined National Battlefield and Cemetery.
		Park contains both a National Battlefield and a Cemetery,
STRI	1974	with visitor numbers combined for all years. Updated to
		reflect combined National Battlefield and Cemetery.
		Park contains both a National Battlefield and a Cemetery,
VICK	all years	with visitor numbers combined for all years. Updated to
		reflect combined National Battlefield and Cemetery.
		Yorktown contains both a National Battlefield and a Ceme-
	all years	tery, with visitor numbers combined for all years. Updated
_	an years	to reflect combined National Battlefield and Cemetery. Park
		incorporated into COLO.
HAMP	Before 1951	Online data contains some 0's before park was opened to
	Delote 1991	public. Deleted these entries.
MIIN1	2017	Missing in online data
MIIN2	2017	Missing in online data
NATR	1948-1952	Missing in online data.
_	1937-1983	Tupelo NB and Brices Cross Roads NB (part of NEW13
		with NATR) missing in online data.
ZION	1954-1955	Separate NM and NP, merged starting in 1956. Updated to
	1001 1000	reflect combined numbers throughout.
		Visitor numbers in online data are for Papago Saguaro NM,
SAGU	1920-1930	moved out of NPS in 1930. This is different from SAGU.
		Deleted these prices.

1.5 Creating the sample

The NPS online visitor dataset contains 379 parks in 2017. This section describes the construction of our sample starting from this dataset.

The Park Service assigns a unitcode to each park, and uses these 4-letter codes in NPS publications and datasets. For simplicity, we keep the unitcodes for all parks where we do not make any modifications.

To create our sample, we first drop all parks in the U.S Virgin Islands (4), District of Columbia (20), American Samoa (1), Guam (1), Puerto Rico (1), Hawaii (7) and Alaska (15). This results in 330 parks. The full list of these parks and their unitcodes is given at the end of this document.

As described in the paper, the Park Service treats some parks as a combined unit in reporting budget, acreage, and/or visitor information. These parks cannot be followed over time individually. We create new unitcodes for these combined parks and treat them as a single unit throughout. Table B.2 shows the list of these combined parks. There are 27 individual parks in the NPS data (and an additional 3 individual parks that are not listed separately in the NPS data) which are combined into 12 units. This results in 315 parks in our dataset.

Table B.2: Parks treated as combined by the Park Service

Parkname	Unitcode	Type 1	Type 2	Type 3	Type 4	Unit 1	Unit 2	Unit 3	Unit 4
Lake Meredith and Alibates Flint Quarry	NEW1	National Monument	National Recreation Area			ALFL	LAMR		
Cape Hatteras Group - Cape Hatteras, Fort Raleigh, and Wright Brothers	NEW3	National Seashore	National Historic Site	National Monument		САНА	FORA	WRBR	
Sequoia and Kings Canyon	NEW4	National Park	National Park			SEQU	KICA		
North Cascades, Lake Chelan and Ross Lake	NEW5	National Park	National Recreation Area	National Recreation Area		NOCA	LACH	ROLA	
Flagstaff Area Parks - Sunset Crater, Walnut Canyon, and Wupatki	NEW6	National Monument	National Monument	National Monument		SUCR	WACA	WUPA	
Montezuma Castle and Tuzigoot	NEW10	National Monument	National Monument			MOCA	TUZI		
Bluestone and Gauley River	NEW11	National Wild and Scenic River	National Recreation Area			BLUE	GARI		
Fort Caroline, Timucuan, Castillo de San Marcos and Ft Matanzas	NEW79	National Memorial	National Preserve	National Monument	National Monument	FOCA	TIMU	CASA	FOMA
Big Bend and Rio Grande	NEW37	National Park	National Wild and Scenic River			BIBE	RIGR		
Casa Grande Ruins and Hohokam Pima	NEW12	National Monument	National Monument			CAGR	Not in NPS data- base		
Brices Cross Roads, Tupelo and Natchez Trace	NEW13	National Battlefield Site	National Battlefield Site	National Parkway		Not in NPS data- base	Not in NPS data- base	NATR	
Palo Alto and Padre Island	NEW14	National Seashore	National Battlefield			PAIS	PAAL		

Next, we drop parks that are located in dense urban areas. Among the largest US cities, Washington DC, Boston, New York and Philadelphia have parks located in the city center, and we drop these parks from the analysis. Table B.3 contains the unitcodes and the corresponding areas. There are 21 parks in these four areas. Dropping them results in 294 parks in our dataset.

Table B.3: Additional parks in large urban areas dropped from dataset

Unitcode	Metropolitan Area
ARHO	Washington D.C.
CLBA	
THIS	
GWMP	
JOFI	Boston
BOAF	
BOST	
FRLA	
ADAM	
STLI	New York City
CACL	
FEHA	
HAGR	
GEGR	
THRB	
AFBG	
STON	
GOIS	
THKO	Philadelphia
EDAL	
INDE	

Next, we check for parks located in the exact same set of counties. Since our dependent variables are created based on county level data, this would result in duplicate observations in these variables. We find that all parks located in the same set of counties are located in a single county only. We treat these parks as a combined unit.

Table B.4 lists all parks which were combined because they were located in the same county. The table shows the newly created unitcodes starting with CT and the original NPS unitcodes. The table also shows the year each park was included in the NPS (the opening of a new park in the same county will show up in our data as an expansion to an already-existing (combined) park). We combine 37 unique parks into 16 units. This results in 273 parks in our dataset.

We drop 5 additional parks that are part of National Capital Parks. This is a collection

Table B.4: Parks combined based on location in the same county

Unitcode	Unit	First year
CT1	TUIN	1974
	TUAI	1998
CT2	CACH	1931
	HUTR	1965
CT3	CHIR	1933
	FOBO	1964
	CORO	1941
CT4	ORPI	1937
	SAGU	1920
CT5	RORI	2000
	POCH	1992
	EUON	1976
	JOMU	1964
CT6	PORE	1962
	MUWO	1908
CT7	SAMA	1938
	SAIR	1968
CT8	LOWE	1978
	MIMA	1959
	LONG	1972
CT9	ELMO	1906
	ELMA	1987
CT10	VAMA	1940
	HOFR	1944
	ELRO	1977
CT11	GETT	1895
	EISE	1967
CT12	FRHI	1978
	FONE	1931
CT13	FOSU	1948
	CHPI	1988
CT14	JECA	1908
	WICA	1903
CT15	NABR	1908
	RABR	1910
CT16	GRTE	1929
	JODR	1972

of smaller parks in various counties around Washington D.C. Most of these are treated as a combined unit in the NPS, but due to their small size, proximity to Washington, and disparate locations they are different from other combined parks in the data. These parks

are CATO, CHOH, FOWA, GREE, PISC. Deleting these parks results in 268 parks in our dataset.

Lastly, we separate Minidoka park, labeled MIIN in most NPS datasets. This park has two areas, one in Idaho and the other in the state of Washington. Visitor numbers are available separately in hard copy documents, and we include unitcodes MIIN1 and MIIN2 separately in the data. This results in a total of 269 parks in our sample.

1.6 Closed parks

The online NPS dataset only contains 1 closed park (a park moved out of the NPS), Oklahoma City National Memorial (OKCI). We researched the history of the Park System to identify any other parks that may have existed for only part of our period of study. No park other than OKCI was closed after the start of our main sample period, 1970. Table B.5 contains a list of the parks closed most recently before the start of our sample period. Any available information for these parks is also included in our dataset.

Table B.5: Closed parks

CL1	Wheeler NM, closed in 1950
CL2	Holy Cross NM, closed in 1950
CL3	Verendrye NM, closed in 1956
CL4	Meriwether NM, redesignated and incorporated into NATR on 8/10/1961
CL5	New Echota Marker NMem, transferred to state on $9/21/1950$
CL6	Lake Texoma, transferred to US Corps of Engineers 1949
CL7	Millerton Lake NRA transferred to state on $11/1/1957$
CL8	Flaming Gorge NRA transferred to US Forest Service $10/1/1968$

2 Notes on specific park histories and combined parks

NEW1: Lake Meredith NRA (LAMR) & Alibates Flint Quarry NM (ALFL). Separate visitor information but combined budget numbers. LAMR from 1971. ALFL from 1971 ("not open to the public" in 1968 NP index). Name change: Sanford NRA to Lake Meredith NRA in 1972. Sanford NRA established in 1965. Alibates Flint Quarry NM established 1965.

NEW3: Cape Hatteras Group: Cape Hatteras NS (CAHA), Fort Raleigh NHS (FORA), Wright Bro. NMem (WRBR). Separate visitor information but combined budget numbers. CAHA from 1955. FORA from 1941. WRBR from 1934. Name change: Kill Devil Hill to Wright Bro. NMem in 1954. Cape Hatteras acreage from 1955. Budget number for 2017 is from the 2019 Budget Justification, column FY 2017 Final. There is a typo in the 2018 Budget Justification (letters B and C are wrong).

NEW4: Sequoia NP (SEQU) & Kings Canyon NP (KICA). Separate visitor information but combined budget numbers. SEQU from 1906, KICA from 1904. Note: 1890-1940 General Grant NP, incorporated into Kings Canyon in 1940. Kings Canyon appears as General Grant in Abstract before 1940.

NEW5: North Cascades NP (NOCA), Lake Chelan NRA (LACH), Ross Lake NRA (ROLA). Separate visitor information but combined budget numbers. NOCA from 1970. LACH from 1990. ROLA from 1990.

NEW6: Flagstaff Area Parks: Sunset Crater NM (SUCR), Walnut Canyon NM (WACA), Wupatki NM (WUPA). Separate visitor information but combined budget numbers. SUCR from 1934. WACA from 1934. WUPA from 1925.

NEW79: Fort Caroline NMem (FOCA), Timucuan Ecol & Historic Pres (TIMU), Castillo de San Marcos NM (CASA), Ft Matanzas NM (FOMA). Separate visitor information but combined budget numbers (first for FOCA/TIMU and CASA/FOMA, then all four). FOCA from 1958 (authorized in 1950 – assume not open until 1958). TIMU from 1992 (authorized in 1988 – assume not open until 1992). CASA from 1934. FOMA from 1938.

NEW8: Chiricahua NM (CHIR), Ft Bowie NHS (FOBO). Separate visitor information but combined budget numbers. CHIR from 1934. FOBO from 1969 (authorized in 1965).

NEW10: Montezuma Castle NM (MOCA), Tuzigoot NM (TUZI). Separate visitor information but combined budget numbers. MOCA from 1920. TUZI from 1940.

NEW11: Bluestone NSR (BLUE), Gauley River NRA (GARI). Separate visitor information but combined budget numbers. GARI from 1993. BLUE from 1993.

GRCA: Grand Canyon NP. Visitor info available for 1919-2017. Based on National Parks Index 2012-2018, Grand Canyon National Park established on Feb 26, 1919. A separate Grand Canyon National Monument proclaimed Dec 22, 1932. Marble Canyon National Monument proclaimed Jan 20, 1969. Three units and portion of Glen Canyon and Lake Mead national recreation areas combined with additional lands as Grand Canyon National Park Jan 3, 1975. Acreage numbers sum all three areas when reported separately. Some visitor numbers corrected based on Statistical Abstracts to reflect the combined park:

1932 and before: Grand Canyon National Park

1933-1968: Grand Canyon National Park + Grand Canyon National Monument

1969-1974: Grand Canyon National Park + Grand Canyon National Monument + Marble Canyon National Monument

1975 and after: Grand Canyon National Park

FOFR: Fort Frederica NM. Based on National Parks Index 2012-2018, authorized May 26, 1936. Based on Areas administered by the national park system, June 30 1954, p218, established in 1945. Zero visitors reported 1941-1945, acreage available from 1946.

JELA: Jean Lafitte NHP & PRES. Visitor info available for 1937-2017. Based on National Parks Index 2012-2016, name changes: 1933 (Aug 10)-1939: Chalmette Monument and Grounds; 1940-1978: Chalmette National Historical Park; From 1979: Jean Lafitte NHP & PRES.

LIBI: Little Bighorn Battlefield NM. Visitor info available for 1941-2017. Based on National Parks Index 2012-2016, name changes: 1879: established as national cemetery, 1886 (Dec 7): proclaimed National Cemetery of Custer's Battlefield Reservation. 1926: Reno-Benteen Battlefield added. Redesignated Custer Battlefield National Monument March 22, 1946. Name change Dec 10, 1991 to LIBI. Variables reflect the following:

1942-1945: National Cemetery of Custer's Battlefield Reservation + Reno-Benteen Battlefield

1946 -1991: Custer Battlefield National Monument

From 1992: Little Bighorn Battlefield NM

SAPU: Salinas Pueblo Missions NM. Visitor info available for 1925-2017. Based on National Parks Index 2012-2016, name changes: 1909: proclaimed Gran Quivira National Monument; 1980: two additional state monuments, Quarai and Abo were donated to NPS, the three forming Salinas National Monument; 1988: renamed Salinas Pueblo Missions. Variables reflect the following:

Until 1980: Gran Quivira National Monument

1981-1988: Salinas National Monument

From 1989: Salinas Pueblo Missions

GRBA: Great Basin NP. Visitor info available for 1934-2017. Based on National Parks Index 2012-2016, 1922: Proclaimed as Lehman Caves National Monument; 1986 (Oct 27): Great Basin NP established.

CHOH: Chesapeake & Ohio Canal NHP. Visitor data available from 1951-2017, but there are 5 missing years 1965-1969. For some years, visitor data is for National Capital Parks. Dropped from the sample.

FOWA: Fort Washington Park. Visitor data available from 1951-2017, but there are 10 missing years 1965-1974. For some years, visitor data is for National Capital Parks. Budget numbers missing 2003-2017, part of National Capital Parks East. Dropped from the sample.

GREE: Greenbelt Park. Visitor data available from 1951-2017, but there are 10 missing years 1965-1974. For some years, visitor data is for National Capital Parks. Budget numbers missing 2003-2017, part of National Capital Parks East. Dropped from the sample.

CHIC: Chickasaw NRA. Visitor info available for 1950-2017, but there are 16 missing years from 1960-1975. Based on National Parks Index 2012-2016: 1902: Sulphur Springs Reservation; 1906: renamed Platt National Park; 1976 (March 17): renamed and redesignated as Chickasaw National Recreation Area and combined with Arbuckle National Recreation Area (Arbuckle National Recreation Area did not report visitors prior to 1971). Missing visitor numbers filled in from three editions of the Public use of the national parks statistical reports, 1954-1964, 1960-1970, 1971-1980. These are reported under Platt NP in all three editions. Budget numbers appear under Platt NP until 1975.

ZION: Zion NP. Based on National Parks Index 2012-2016: Established as NP Nov 19, 1919. 1937 (Jan 22): Separate Zion National Monument proclaimed. 1956 (July 11): Zion National Monument is incorporated into Zion NP. Online NPS visitor data reflects combined numbers starting in 1954. All variables updated to reflect combined park throughout.

ANTI: Antietam NB. Includes a National Battlefield and a Cemetery. Acreage is sometimes reported separately for the two. Visitors reported together in Statistical Abstract until 1967, separately for 1968-74, together again from 1975. 1967 entry updated based on Statistical Abstract 1960-1970.

NEW13: Natchez Trace PKWY (NATR), Tupelo National Battlefield Site, and Brices Cross Roads NBS. 1929: Tupelo NB and Brices Cross Roads NB established; 1933: transferred to NPS from

War Department. 1938: NATR established. 1961: Ackia Battlefield NM (1935-61) and Meriwether Louise NM (1925-61) incorporated into NATR without separate designations. Tupelo and Brices do not appear in online NPS data. NATR visitor info available for 1942-2017 (but nonzero from 1953). Tupelo and Brices visitor information entered from hard copies, available 1937-1983.

SAJH: San Juan Island NHP. Authorized only on Sept 9, 1966 based on National Parks Index 2012-2016. Incorrect visitor numbers prior to 1979 - these are for San Juan, Puerto Rico (cf. Table 2, Public use of the national parks; a statistical report, 1960-1970).

DRTO: Dry Tortugas NP. Visitor data available for 1937-2017. 1935: Proclaimed Fort Jefferson National Monument. 1992 (Oct 26): Name change to Dry Tortugas National Park.

LEWI: Lewis & Clark NHP. Established as Fort Clatsop NMem. Name change in 2004 to Lewis & Clark NHP.

NEW37: Big Bend NP (BIBE), Rio Grande W&SR (RIGR). Separate visitor information but combined budget numbers. BIBE from 1944. RIGR from 1985 (authorized in Nov 1978).

LARO: Lake Roosevelt. Name change: before 1997, Coulee Dam. Administered by the Park Service from December 1946, visitor data begins in 1947.

HOCU: Hopewell Culture NHP. Name change: before 1992, Mound City Group NM.

COLO: Colonial NHP. Yorktown battlefield (established 1930) part of the park since 1933. Visitors available since 1968. Between 1968-1974 visitor numbers counted separately, budget under "Colonial and Yorktown."

HOVE: Hovenweep. For some years, budget under "Hovenweep and Yucca house." Yucca house has separate visitor numbers (<100) for some years. Yucca house is unexcavated ruins, no federal facilities, located on private land with private-public stewardship. Ignore Yucca house and assign entire budget to Hovenweep.

ROMO: Rocky Mountain NP. Budget justification contains combined numbers for years 1952-1978 with Shadow Mountain. Shadow Mountain established June 27, 1952. Transferred to Forest Service beginning 1979. Use combined acreage and visitor data also for 1954-1978.

HAMP: Hampton NHS. Designated in 1948. Opened to the public in May 1950, visitors reported from 1951. Not fully owned by NPS until 1979, receives 0 budget until then. See NPS: Hampton NHS Final General Management Plan and Environmental Impact Statement, 2011.

VICK: Vicksburg NMP. Includes a National Battlefield and a Cemetery. Acreage is sometimes reported separately for the two. Visitors reported together in Statistical Abstract until 1967, separately for 1968-74, together again from 1975.

LAKE: Lake Mead NRA. Name change: before 1947, Boulder Dam.

FOST: Fort Stanwix NM. Open to the public but under construction and development before 1976, 0 budget until then. See https://en.wikipedia.org/wiki/Fort_Stanwix_National_Monument and the 1976 budget justifications

HOFR: Home of F.D.Roosevelt NHS. Designated Jan 15, 1944. Visitors reported from 1946.

FOSU: Fort Sumter NM. Authorized in 1948, valid visitor numbers from 1949.

NEW12: Casa Grande Ruins NM (CAGR), Hohokam Pima NM. The latter on Native American land, can be visited by appointment only. Combined budget numbers starting in 1986.

THRI: Theodore Roosevelt Inaugural NHS. Opened to the public Sep. 1971. Visitors reported from 1972 but no budget allocation received before 1983.

NEW14: Palo Alto NB (PAAL), Padre Island National Seashore (PAIS). Separate budget numbers until 1986 and from 2003, combined for 1987-2002.

3 Other data

3.1 Employment and income

Source: Bureau of Economic Analysis: Regional Economic Accounts, https://apps.bea.gov For documentation and definitions, see

https://www.bea.gov/resources/methodologies/local-area-personal-income-employment We use the files CAINC5N, CAINC5S, CAEMP25N, CAEMP25S.

Table B.6: BEA employment and income

	19	69-2000	20	2001-2017	
	BEA income	BEA employment	BEA income	BEA employment	
	line code	line code	line code	line code	
Totals					
Earnings by place of work	35	-	35	-	
Population	20	20	20	20	
Total employment	-	10	-	10	

n/a: Not available in the dataset.

3.2 County level census data

GIS. Mapping of the counties used GIS boundary files from the United States Census Bureau, available at:

https://www.census.gov/geographies/mapping-files/time-series/geo/carto-boundary-file.html

Age groups. Total population and the age distribution of the population is taken from the

Intercensal State and County Characteristics Population Estimates of the US Census Bureau.

The data is available at the county level for all years from 1970 at https://www.census.gov.

3.3 Local government spending

Local government spending aggregated to the county level is available in the Census of Governments series of the Census Bureau (https://www.census.gov/programs-surveys/gov-finances/data/historical-data.html). We use total direct spending for 1972 and every 5 years after that, until 2012. Aggregation of the local government units is done by the Census Bureau and aggregate figures for 2017 are not yet available.

3.4 Weather

We use weather data from the National Climatic Data Center available at https://www7.ncdc.noaa.gov/CDO/CDODivisionalSelect.jsp#

Original variable names used are listed in Table B.7. PDSI and PCP are used in all regressions, the propensity score estimation in Section 6.2 uses all variables. Data is available for all years at the county level.

Original variable name	Description
PCP	Precipitation Index
PDSI	Palmer Drought Severity Index
CDD	Cooling Degree Days
HDD	Heating Degree Days
TAVG	Temperature Index
TMIN	Minimum Temperature Index
TMAX	Maximum Temperature Index

Table B.7: Weather variables

3.5 Merging county level datasets

When merging counties, we use the list of counties in the BEA as the benchmark. This keeps track of the few instances that FIPS codes change over time, and includes independent cities (mostly in Virginia) in their respective counties. See the notes provided with the original BEA files for details. For any counties that split over time (such as Valencia and Cibola in NM or Yuma and La Paz in AZ), we combine them and treat them as 1 county throughout. We drop Boulder county, CO (fips 8013) because its 2001 reorganization prevents the use of a consistent time series.

We drop from the data counties that only contain NPS parks that we do not use in our analysis. Specifically, the NPS GIS data (described in Section 1.3) contains 16 parks that do not appear in the NPS visitor data (Section 1.4). These parks are typically new, do not have visitor facilities, and/or are managed jointly with another agency. Because it is difficult to know the exact status of these parks, we drop from the comparison group the 64 counties that only contain such parks (this drops Chicago, fips 17031). As described in Section 1.5, our analysis also excludes parks located in the center of big cities (New York, Boston, Philadelphia and Washington DC) as well as the National Capital Parks around Washington DC. We drop the 12 counties that only contain one of these parks.

Finally, among the remaining counties, we drop counties with an average population above 2.5 million (Los Angeles (fips 6037), Houston (fips 48201) and Phoenix (fips 4013))

or an average population density above $5000/\mathrm{km^2}$ (New York (fips 36005, 36047, 36081) and San Francisco (fips 6075)) during our sample period.

Of the 3076 counties in the BEA data in the contiguous 48 states, this leaves us with 2992. Of these, 501 overlap with parks (the remaining counties are used as part of the comparison group in the park opening regressions).

4 List of unitcodes

Table B.8: Park unitcodes, A-B

Unitcode	Parkname
ABLI	Abraham Lincoln Birthplace NHP
ACAD	Acadia NP
ADAM	Adams NHP
AFBG	African Burial Ground NM
AGFO	Agate Fossil Beds NM
ALFL	Alibates Flint Quarries NM
ALPO	Allegheny Portage Railroad NHS
AMIS	Amistad NRA
ANDE	Andersonville NHS
ANJO	Andrew Johnson NHS
ANTI	Antietam NB
APIS	Apostle Islands NL
APCO	Appomattox Court House NHP
ARCH	Arches NP
ARPO	Arkansas Post NMEM
ARHO	Arlington House The R.E. Lee MEM
ASIS	Assateague Island NS
AZRU	Aztec Ruins NM
BADL	Badlands NP
BAND	Bandelier NM
BEOL	Bent's Old Fort NHS
BIBE	Big Bend NP
BICY	Big Cypress NPRES
BIHO	Big Hole NB
BISO	Big South Fork NRRA
BITH	Big Thicket NPRES
BICA	Bighorn Canyon NRA
BISC	Biscayne NP
BLCA	Black Canyon of the Gunnison NP
BLRI	Blue Ridge PKWY
BLUE	Bluestone NSR
BOWA	Booker T. Washington NM
BOAF	Boston African American NHS
BOST	Boston NHP
BRVB	Brown v. Board of Education NHS
BRCA	Bryce Canyon NP
BUFF	Buffalo NR

Table B.9: Park unitcodes, C-D

Unitcode	Parkname
CABR	Cabrillo NM
CANA	Canaveral NS
CARI	Cane River Creole NHP
CACH	Canyon de Chelly NM
CANY	Canyonlands NP
CACO	Cape Cod NS
CAHA	Cape Hatteras NS
CALO	Cape Lookout NS
CARE	Capitol Reef NP
CAVO	Capulin Volcano NM
CARL	Carl Sandburg Home NHS
CAVE	Carlsbad Caverns NP
CAGR	Casa Grande Ruins NM
CASA	Castillo de San Marcos NM
CACL	Castle Clinton NM
CATO	Catoctin Mountain Park
CEBR	Cedar Breaks NM
CECH	Cesar E. Chavez NM
CHCU	Chaco Culture NHP
CHAM	Chamizal NMEM
CHIS	Channel Islands NP
CHPI	Charles Pinckney NHS
CHYO	Charles Young Buffalo Soldiers NM
CHAT	Chattahoochee River NRA
СПАТ	
CHCH	Chickengard and Chattanage NMP
	Chickamauga and Chattanooga NMP Chickasaw NRA
CHIC	
CHIR	Chiricahua NM
CIRO	City of Rocks NRES
CLBA	Clara Barton NHS
COLO	Colonial NHP
COLM	Colorado NM
CONG	Congaree NP
CORO	Coronado NMEM
COWP	Cowpens NB
CRLA	Crater Lake NP
CRMO	Craters of the Moon NM
CUGA	Cumberland Gap NHP
CUIS	Cumberland Island NS
CURE	Curecanti NRA
CUVA	Cuyahoga Valley NP
DAAV	Dayton Aviation Heritage NHP
DESO	De Soto NMEM
DEVA	Death Valley NP
DEWA	Delaware Water Gap NRA
DEPO	Devils Postpile NM
DETO	Devils Towe ²⁹ NM
DINO	Dinosaur NM
DRTO	Dry Tortugas NP

Table B.10: Park unitcodes, E-F

Unitcode	Parkname
EDAL	Edgar Allan Poe NHS
EFMO	Effigy Mounds NM
EISE	Eisenhower NHS
ELMA	El Malpais NM
ELMO	El Morro NM
ELRO	Eleanor Roosevelt NHS
EUON	Eugene O'Neill NHS
EVER	Everglades NP
FEHA	Federal Hall NMEM
FIIS	Fire Island NS
FILA	First Ladies NHS
FLNI	Flight 93 NMEM
FLFO	Florissant Fossil Beds NM
FOBO	Fort Bowie NHS
FOCA	Fort Caroline NMEM
FODA	Fort Davis NHS
FODO	Fort Donelson NB
FOFR	Fort Frederica NM
FOLA	Fort Laramie NHS
FOLS	Fort Larned NHS
FOMA	Fort Matanzas NM
FOMC	Fort McHenry NM and HS
FONE	Fort Necessity NB
FOPO	Fort Point NHS
FOPU	Fort Pulaski NM
FORA	Fort Raleigh NHS
FOSC	Fort Scott NHS
FOSM	Fort Smith NHS
FOST	Fort Stanwix NM
FOSU	Fort Sumter NM
FOUN	Fort Union NM
FOUS	Fort Union Trading Post NHS
FOVA	Fort Vancouver NHS
FOWA	Fort Washington Park
FOBU	Fossil Butte NM
FRLA	Frederick Law Olmsted NHS
FRSP	Fredericksburg and Spotsylvania NMP
FRHI	Friendship Hill NHS

Table B.11: Park unitcodes, G-I

Unitcode	Parkname
GATE	Gateway NRA
GARI	Gauley River NRA
GEGR	General Grant NMEM
GERO	George Rogers Clark NHP
GEWA	George Washington Birthplace NM
GWCA	George Washington Carver NM
GWMP	George Washington MEM PKWY
GETT	Gettysburg NMP
GICL	Gila Cliff Dwellings NM
GLAC	Glacier NP
GLCA	Glen Canyon NRA
GOGA	Golden Gate NRA
GOSP	Golden Spike NHS
GOIS	Governors Island NM
GRCA	Grand Canyon NP
GRPO	Grand Portage NM
GRTE	Grand Teton NP
GRKO	Grant-Kohrs Ranch NHS
GRBA	Great Basin NP
GRSA	Great Sand Dunes NP and PRES
GRSM	Great Smoky Mountains NP
GREE	Greenbelt Park
GUMO	Guadalupe Mountains NP
GUCO	Guilford Courthouse NMP
GUIS	Gulf Islands NS
HAFO	Hagerman Fossil Beds NM
HAGR	Hamilton Grange NMEM
HAMP	Hampton NHS
HAFE	Harpers Ferry NHP
HSTR	Harry S Truman NHS
HEHO	Herbert Hoover NHS
HOFR	Home of Franklin D. Roosevelt NHS
HOME	Homestead NM of America
HOCU	Hopewell Culture NHP
HOFU	Hopewell Furnace NHS
HOBE	Horseshoe Bend NMP
HOSP	Hot Springs NP
HOVE	Hovenweep NM
HUTR	Hubbell Trading Post NHS
INDE	Independence NHP
INDU	Indiana Dunes NL
ISRO	Isle Royale NP

Table B.12: Park unitcodes, J-L

Unitcode	Parkname
JAGA	James A. Garfield NHS
JAGA JELA	Jean Lafitte NHP and PRES
JEFF	Jefferson NEM
	Jewel Cave NM
JECA	
JICA	Jimmy Carter NHS
JODR	John D. Rockefeller, Jr. MEM PKWY
JODA	John Day Fossil Beds NM
JOFI	John F. Kennedy NHS
JOMU	John Muir NHS
JOFL	Johnstown Flood NMEM
JOTR	Joshua Tree NP
KEMO	Kennesaw Mountain NBP
KEWE	Keweenaw NHP
KICA	Kings Canyon NP
KIMO	Kings Mountain NMP
KLSE	Klondike Gold Rush NHP Seattle
KNRI	Knife River Indian Villages NHS
LACH	Lake Chelan NRA
LAKE	Lake Mead NRA
LAMR	Lake Meredith NRA
LARO	Lake Roosevelt NRA
LAVO	Lassen Volcanic NP
LABE	Lava Beds NM
LEWI	Lewis and Clark NHP
LIBO	Lincoln Boyhood NMEM
LIHO	Lincoln Home NHS
LIBI	Little Bighorn Battlefield NM
LIRI	Little River Canyon NPRES
CHSC	Little Rock Central High School NHS
LONG	Longfellow NHS
LOWE	Lowell NHP
LYJO	Lyndon B. Johnson NHP

Table B.13: Park unitcodes, M-O

Unitcode	Parkname
MAWA	Maggie L. Walker NHS
MACA	Mammoth Cave NP
MANA	Manassas NBP
MAPR	Manhattan Project NHP
MANZ	Manzanar NHS
MABI	Marsh-Billings-Rockefeller NHP
MALU	Martin Luther King, Jr. NHS
MAVA	Martin Van Buren NHS
MEVE	Mesa Verde NP
MIIN	Minidoka NHS
MIMA	Minute Man NHP
MIMI	Minuteman Missile NHS
MISS	Mississippi NRRA
MNRR	Missouri NRR
MOJA	Mojave NPRES
MONO	Monocacy NB
MOCA	Montezuma Castle NM
MOCR	Moores Creek NB
MORR	Morristown NHP
MORA	Mount Rainier NP
MORU	Mount Rushmore NMEM
MUWO	Muir Woods NM
NATC	Natchez NHP
NATR	Natchez Trace PKWY
NABR	Natural Bridges NM
NAVA	Navajo NM
NEBE	New Bedford Whaling NHP
JAZZ	New Orleans Jazz NHP
NERI	New River Gorge NR
NEPE	Nez Perce NHP
NICO	Nicodemus NHS
NISI	Ninety Six NHS
NIOB	Niobrara NSR
NOCA	North Cascades NP
OBRI	Obed W and SR
OCMU	Ocmulgee NM
OLYM	Olympic NP
ORCA	Oregon Caves NM
ORPI	Organ Pipe Cactus NM
OZAR	Ozark NSR

Table B.14: Park unitcodes, P-R

Unitcode	Parkname
PAIS	Padre Island NS
PAAL	Palo Alto Battlefield NHP
PAGR	Paterson Great Falls NHP
PERI	Pea Ridge NMP
PECO	Pecos NHP
PEVI	Perry's Victory and Intl. Peace MEM
PETE	Petersburg NB
PEFO	Petrified Forest NP
PETR	Petroglyph NM
PIRO	Pictured Rocks NL
PINN	Pinnacles NP
PISP	Pipe Spring NM
PIPE	Pipestone NM
PISC	Piscataway Park
PORE	Point Reyes NS
POCH	Port Chicago Naval Magazine NM
WICL	President W.J. Clinton Birthplace Home NHS
PRWI	Prince William Forest Park
RABR	Rainbow Bridge NM
REDW	Redwood NP
RICH	Richmond NBP
RIGR	Rio Grande W and SR
RIRA	River Raisin NBP
ROMO	Rocky Mountain NP
ROWI	Roger Williams NMEM
RORI	Rosie The Riveter WWII Home Front
ROLA	Ross Lake NRA
RUCA	Russell Cave NM

Table B.15: Park unitcodes, S-T

Unitcode	Parkname
SAHI	Sagamore Hill NHS
SAGU	Saguaro NP
SACR	Saint Croix Island International Historic Site
SACN	Saint Croix NSR
SAPA	Saint Paul's Church NHS
SAGA	Saint-Gaudens NHS
SAMA	Salem Maritime NHS
SAPU	Salinas Pueblo Missions NM
SAAN	San Antonio Missions NHP
SAFR	San Francisco Maritime NHP
SAJH	San Juan Island NHP
SAND	Sand Creek Massacre NHS
SAMO	Santa Monica Mountains NRA
SARA	Saratoga NHP
SAIR	Saugus Iron Works NHS
SCBL	Scotts Bluff NM
SEQU	Sequoia NP
SHEN	Shenandoah NP
SHIL	Shiloh NMP
SLBE	Sleeping Bear Dunes NL
SPAR	Springfield Armory NHS
STLI	Statue of Liberty NM
STEA	Steamtown NHS
STRI	Stones River NB
STON	Stonewall NM
SUCR	Sunset Crater Volcano NM
TAPR	Tallgrass Prairie NPRES
THKO	Thaddeus Kosciuszko NMEM
THRB	Theodore Roosevelt Birthplace NHS
THRI	Theodore Roosevelt Inaugural NHS
THIS	Theodore Roosevelt Island
THRO	Theodore Roosevelt NP
EDIS	Thomas Edison NHP
THST	Thomas Stone NHS
TICA	Timpanogos Cave NM
TIMU	Timucuan EHP
TONT	Tonto NM
TUMA	Tumacacori NHP
TUAI	Tuskegee Airmen NHS
TUIN	Tuskegee Institute NHS
TUZI	Tuzigoot NM

Table B.16: Park unitcodes, U-Z

Unitcode	Parkname
ULSG	Ulysses S. Grant NHS
UPDE	Upper Delaware S and RR
VAFO	Valley Forge NHP
VAMA	Vanderbilt Mansion NHS
VICK	Vicksburg NMP
VOYA	Voyageurs NP
WACO	Waco Mammoth NM
WACA	Walnut Canyon NM
WABA	Washita Battlefield NHS
WEFA	Weir Farm NHS
WHIS	Whiskeytown NRA
WHSA	White Sands NM
WHMI	Whitman Mission NHS
WICR	Wilson's Creek NB
WICA	Wind Cave NP
WIHO	William Howard Taft NHS
WOTR	Wolf Trap NP for the Performing Arts
WORI	Women's Rights NHP
WRBR	Wright Brothers NMEM
WUPA	Wupatki NM
YELL	Yellowstone NP
YOSE	Yosemite NP
ZION	Zion NP