

# Maps of the Wheeler Survey

Geographical Surveys of the United States  
West of the 100th Meridian

1869–1889

Compiled by Craig Haggit  
*Senior Special Collections Librarian  
Special Collections and Digital Archives*

Denver Public Library  
*Denver, Colorado  
2021*

## Introduction

This is a non-exhaustive list of maps and publications created by members of the ambitious but never-completed Wheeler Survey. Where available, links to online versions of the original reports are included.

Lieutenant, and later Captain, George Montague Wheeler (1842-1905) operated and explored under the auspices of the U.S. Army Corps of Engineers' 'Department of California' from 1869-1871. Formally launched in 1872 by the U.S. Congress and ended by the same in 1879, the survey performed field research from 1872-1879, though its final 7-volume report was not issued until 1889. On June 30, 1879 the survey's field work was officially ended, along with Hayden and Powell, subsumed under the newly formed U.S. Geological Survey. Annual reports continued to be issued but only as appendices to the U.S. Army Chief Engineer's annual report. These reports often lamented the dwindling resources available, including staff attrition and funding, to produce and distribute maps using the field research performed in the 1870s.

The compilations that follow are by no means exhaustive, but are an attempt to compile existing core resources to allow a better understanding of this important survey and its research and publications. No attempt is here made to evaluate the comparative value of the Wheeler Survey against those of Ferdinand V. Hayden, John Wesley Powell, or Clarence King. All of these surveys have had much written about them. For further study, please contact your local library, or the reference librarians available at Denver Public Library's Western History and Genealogy unit within the Special Collections and Digital Archives Dept.

Sheet No.	Phillips #	Category	Title	Scale	Pub year	Originally issued with (SuDoc)	Serial Set	Details for numbered sheets	Notes and distinguishing characteristics	Digital Image
	P1281-1	topographical	Title page: Topographical atlas projected to illustrated United States geographical surveys west of the 100th meridian of longitude...						"Large seal, with words 'war department' 'Hon. Wm. W. Belknap, secretary of war. By the corps of engineers, U.S.A.' Light cream under-tint. Landscape in crayon; (a scene on the Colorado river) Julius Bien, lith."--Phillips, p.705	<a href="https://www.loc.gov/resource/g4050m.gct00105a/?sp=2#">https://www.loc.gov/resource/g4050m.gct00105a/?sp=2#</a>
	P1281-2	topographical	Title page: Topographical atlas projected to illustrated United States geographical surveys west of the 100th meridian of longitude...						"Same as [P1281-1], [except] seal without words, 'war department.' Very few, if any, issued. Made into computation blocks"--Phillips, p.706	<a href="https://www.loc.gov/resource/g4050m.gct00105a/?sp=3#">https://www.loc.gov/resource/g4050m.gct00105a/?sp=3#</a>
	P1281-3	topographical	Title page: Topographical atlas projected to illustrated United States geographical surveys west of the 100th meridian of longitude...		1873				"same as [P1281-2] except 'The honorable the secretary of war' instead of 'hon. Wm. W. Belknap' etc."--Phillips, p.706	<a href="https://www.davidrumsey.com/luna/servlet/s/12546y">https://www.davidrumsey.com/luna/servlet/s/12546y</a>
	P1281-4	topographical	Title page: Topographical atlas sheets nos. 49, 50, 57, 58, 59, 65, 66 and 67 including portions of California, Nevada, Utah and Arizona constructed from data...						"General title for issue of sheets 49-50-57-58-59-65-66 and 67. Large seal. White paper. 'Hon. Wm. Belknap, secretary of war'--Phillips, p.706	<a href="https://www.loc.gov/resource/g4050m.gct00105a/?sp=5#">https://www.loc.gov/resource/g4050m.gct00105a/?sp=5#</a>
	P1281-5	geological	Title page: Geological Atlas projected to illustrate geographical explorations and surveys west of the 100th meridian of longitude						"Title. Geological atlas. Large seal. 'Hon. Wm. W. Belknap, secretary of war' landscape in crayon. 'headlands of Paria creek, Utah.' Dark cream under-tint, shaded for clouds and landscape effect. The only print known is in the U.S. geological survey atlas. The words 'headlands of Paria creek, Utah' are written under the landscape in India ink. (The upper headlands of Paria creek are in Utah) There is an office stamp on this print of date of february 17, 1876"--Phillips, p.706.	
	P1281-6	geological	Title page: Geological Atlas projected to illustrate geographical explorations and surveys west of the 100th meridian of longitude		1873	W8.2:G29/2			Title page. "Same title as [P1281-5] for 'hon. Wm. W. Belknap, secretary of war,' it has 'the honorable secretary of war' Light cream under-tint. 'Headlands of Paria creek, Arizona"--Phillips, p.706	<a href="https://www.davidrumsey.com/luna/servlet/s/tp3u29">https://www.davidrumsey.com/luna/servlet/s/tp3u29</a>
	P1281-7		Legend		1874?				"Legend. Seal enclosed in the words 'war department, corps of engineers, U.S.A.' Gives list of officers and topographers for years 1869, 1871, 1872 and 1873"--Phillips, p.706	<a href="https://www.loc.gov/resource/g4050m.gct00105a/?sp=8&amp;st=single&amp;r=0.043,0.59,0.358,0.278,0#">https://www.loc.gov/resource/g4050m.gct00105a/?sp=8&amp;st=single&amp;r=0.043,0.59,0.358,0.278,0#</a>
	P1281-8	special sheets	Legend		1873				Explanation of meridians, scale, expeditions, projections, and officers and civilian assistants on each expedition. "Legend. Small seal with wreath. List to 1873. The subject matter is different from [P1281-7]. 'The travelled lines' in [P1281-7] and 'The traveled lines' in this legend. [spelling difference: travelled vs traveled in 2nd column, 2nd paragraph]"--Phillips, p.706	<a href="https://www.davidrumsey.com/luna/servlet/s/207je3">https://www.davidrumsey.com/luna/servlet/s/207je3</a>
	P1281-9	progress maps	[NO SOURCE TO CONFIRM TITLE]	1:6,000,000	1873				"A progress map, 1873 was issued with annual report of October, 1873 for fiscal year ending June 30, 1873. No seal above title, and no numbers for atlas sheets except as preliminary for areas as occupied to date. Routes of explorers are indicated with names and dates. Probably this progress map was never issued separately and comes in the class of illustrations to monographs and annual reports"--Phillips, p.706	
	P1281-10		Conventional signs						"Small seal as [P1281-8] with wreath. Topography is hachures. Seasons 1869 to 1874. Dark cream under-tint"--Phillips, p.706	
	P1281-11	special sheets	Conventional signs		1876				List of symbols used on the maps. "Topography is in crayon"--Phillips, p.706	<a href="https://www.davidrumsey.com/luna/servlet/s/e7wups">https://www.davidrumsey.com/luna/servlet/s/e7wups</a>
	P1281-12		[BLANK SHEET OF PAPER]						"(Vacant slip)"--Phillips, p.706	
	P1281-13		Conventional signs						"Mining districts omitted, and signs for 'Mines' added. Topography in crayon. Season 1869-1875"--Phillips, p.706. "Seasons of 1869, 1871, 1872, 1873, 1874 & 1875" in bottom left margin.	<a href="https://www.loc.gov/resource/g4050m.gct00105a/?sp=12&amp;st=single#">https://www.loc.gov/resource/g4050m.gct00105a/?sp=12&amp;st=single#</a>
	P1281-14		Conventional signs						"No seasons of survey. Light cream under-tint. 'Signal Peak' in place of 'Belknap Peak' of [P1281-13]"--Phillips, p.706	
	P1281-15		Conventional signs						"Diagrams and lettering. Small seal with wreath. Topography in contours of Mount Taylor, N.M. Dark cream under-tint"--Phillips, p.706	<a href="https://www.loc.gov/resource/g4050m.gct00105a/?sp=13&amp;st=single&amp;r=0.267,0.319,0.446,0.346,0#">https://www.loc.gov/resource/g4050m.gct00105a/?sp=13&amp;st=single&amp;r=0.267,0.319,0.446,0.346,0#</a>
	P1281-016	special sheets	Conventional signs for tranguation outline and topographical plots of atlas sheets		1873				"Conventional signs. Topography in contours and of the 'Noodle' and 'Donner Lake,' California. Small seal. Light brown under-tint. From a new drawing."--Phillips, p.706. includes astronomical and triangulation stations, camps and meander lines, distances, triangulation, topography (in contours), altitude symbols, magnetic variation, lettering and mines.	<a href="https://www.davidrumsey.com/luna/servlet/s/27aacd">https://www.davidrumsey.com/luna/servlet/s/27aacd</a>
	P1281-17		[NO SOURCE TO CONFIRM TITLE]						"Giving scheme of arrangement of atlas sheets 1 to 95 of the area 'west of the 100th meridian.' Large seal with words 'War Department, etc.' date 1873. Light brown tint."--Phillips, p.706	<a href="https://www.loc.gov/resource/g4050m.gct00105a/?sp=15&amp;st=single&amp;r=0.05,0.114,1.081,0.838,0#">https://www.loc.gov/resource/g4050m.gct00105a/?sp=15&amp;st=single&amp;r=0.05,0.114,1.081,0.838,0#</a>
	P1281-18	special sheets	Map showing the general topographical features of the territory of the United States west of the Mississippi River: to accompany Atlas of Geographical Explorations and Surveys	1:6,000,000	1874				Includes grid of atlas sheet numbers. "Topography in crayon. Light brown tint"--Phillips, p.706. Below bottom center of map: "Reduced from the Western Territory Map as a basis with certain additions. When revised and corrected to date it will appear as a sheet of the Topographical Atlas" "Seasons of 1869, 1871, 1872 & 1873"--lower left margin. Shaded relief.	<a href="https://www.davidrumsey.com/luna/servlet/s/27yyzo">https://www.davidrumsey.com/luna/servlet/s/27yyzo</a>

Sheet No.	Phillips #	Category	Title	Scale	Pub year	Originally issued with (SuDoc)	Serial Set	Details for numbered sheets	Notes and distinguishing characteristics	Digital Image
	P1281-19	Progress maps	Skeleton map of the territory of the United States west of the Mississippi River exhibiting the relations existing between lines and areas of explorations and surveys conducted under the auspices of the War Dept giving the area of the public domain lying west of the 100th meridian of longitude with an index illustration of a series of atlas maps proposed to be constructed on a scale of 1 inch to 8 m.	1:6,000,000	1873				"Skeleton Map. Seal above title. Diagram of atlas sheets, and surveyed areas indicated for seasons 1869-1871 and 1872. Routes of explorers. To accompany report of 1872."--Phillips, p.706	<a href="https://www.davidrumsey.com/luna/servlet/s/kh0zdi">https://www.davidrumsey.com/luna/servlet/s/kh0zdi</a>
	P1281-20	Progress maps	Progress map of lines and areas of explorations and surveys conducted under the auspices of the War Department giving the area of the public domain lying west of the 100th meridian of longitude with an index illustration of a series of atlas maps	1:6,000,000	1874				In lower left corner: "seasons of 1869, 1871, 1872 & 1873". "Progress map. Similar to [P1281-19] but a new compilation and drawing, 1869 to 1873. Small seal with wreath, encircled by words 'war department' 'corps of engineers, U.S.A.' Light brown undertint."--Phillips, p.707. Further notes in Phillips under P1281-20 detail the progress maps presentation of information, how the different scales are organized, sheet naming and nick-naming, and that "the majority of these sheets were produced by photolithography from original drawings, the amount of reduction being about one-sixth"	<a href="https://www.davidrumsey.com/luna/servlet/s/23pbkl">https://www.davidrumsey.com/luna/servlet/s/23pbkl</a>
	P1281-21	Progress maps	Map showing the general topographical features of the territory of the United States west of the Mississippi River; to accompany Atlas of Geographical Explorations and Surveys	1:6,000,000	1874				"Progress map, very light tint. To 1873 (1st ed., 1874)"--Phillips, p.707.	
	P1281-22	Progress maps	Map showing the general topographical features of the territory of the United States west of the Mississippi River; to accompany Atlas of Geographical Explorations and Surveys	1:6,000,000	1874				"Progress map, small seal at top. To 1874 (2nd ed., 1874)"--Phillips, p.707	
	P1281-23	Progress maps	1875 progress map of the geographical surveys west of the 100th meridian to accompany the annual report of 1st Lieut. George M. Wheeler	1:6,000,000	1875				"Progress map. To 1875"--Phillips, p.707	<a href="https://www.davidrumsey.com/luna/servlet/s/ei36v5">https://www.davidrumsey.com/luna/servlet/s/ei36v5</a>
	P1281-24	Progress maps	1876 progress map of the U.S. geographical surveys west of the 100th meridian to accompany the annual report of 1st Lieut. George M. Wheeler	1:6,000,000	1876	W8.1:876 (appendix JJ)			"Progress map. To 1876"--Phillips, p.707	<a href="https://www.davidrumsey.com/luna/servlet/s/q96v99">https://www.davidrumsey.com/luna/servlet/s/q96v99</a>
	P1281-25	Progress maps	1877 progress map of the U.S. Geographical Surveys west of the 100th meridian to accompany the annual report of 1st Lieut. George M. Wheeler	1:6,000,000	1877				"Progress map. To 1877"--Phillips, p.707	<a href="https://www.loc.gov/resource/g4050m.gct00105a/?sp=23&amp;st=single#">https://www.loc.gov/resource/g4050m.gct00105a/?sp=23&amp;st=single#</a>
	P1281-26	Progress maps	[NO SOURCE TO CONFIRM TITLE]	1:6,000,000					"Progress map. Dark tint. To 1877"--Phillips, p. 707	
		Progress maps	1878 Progress Map of the U.S. Geographical Surveys west of the 100th Meridian to accompany list of maps and reports by 1st Lieut. George M. Wheeler	1:6,000,000	1878					<a href="https://www.loc.gov/resource/g4050m.gct00105a/?sp=24&amp;st=single#">https://www.loc.gov/resource/g4050m.gct00105a/?sp=24&amp;st=single#</a>
	P1281-27	Progress maps	[NO SOURCE TO CONFIRM TITLE]	1:6,000,000					"Progress map. Light tint. To 1878"--Phillips, p.707	
	P1281-28	Progress maps	1878 progress map of the U.S. Geographical Surveys West of the 100th meridian to accompany the annual report of 1st Lieut. George M. Wheeler	1:6,000,000	1878				"Progress map. Dark tint. To 1878"--Phillips, p.707	<a href="https://www.davidrumsey.com/luna/servlet/s/4s95q7">https://www.davidrumsey.com/luna/servlet/s/4s95q7</a>
	P1281-29	Progress maps	1878 progress map of the U.S. Geographical Surveys west of the 100th meridian to accompany the special report of 1st Lieut. George M. Wheeler	1:6,000,000					"Progress map. 'In response to resolution house of representatives, march 8, 1878'. Surveyed area in tints"--Phillips, p. 707	<a href="https://www.loc.gov/resource/g4050m.gct00105a/?sp=25&amp;st=single#">https://www.loc.gov/resource/g4050m.gct00105a/?sp=25&amp;st=single#</a>
	P1281-30	Progress maps	1879 Progress Map of the U.S. Geographical Surveys West of the 100th Meridian to accompany the annual report of Captain George M. Wheeler	1:6,000,000					"Progress map to 1879. Exterior areas of the sheet dark under-tint"--Phillips, p. 707	<a href="https://www.loc.gov/resource/g4050m.gct00105a/?sp=26&amp;st=single#">https://www.loc.gov/resource/g4050m.gct00105a/?sp=26&amp;st=single#</a>
	P1281-31		[NO SOURCE TO CONFIRM TITLE]	1:6,000,000					"...on white drawing paper. Outlines and explorer's routes only"--Phillips, p. 707	
	P1281-32	Progress maps	1879 progress map of the U.S. geographical surveys west of the 100th meridian to accompany the annual report of 1st Lieut. George M. Wheeler	1:6,000,000	1879				"Progress map, tinted areas. To 1879. To accompany the annual report. Similar to [P1281-30]"--Phillips, p.707	<a href="https://www.davidrumsey.com/luna/servlet/s/rcy31">https://www.davidrumsey.com/luna/servlet/s/rcy31</a>
	P1281-33	Progress maps	1880 progress map of the U.S. geographical surveys west of the 100th meridian to accompany the annual report of 1st Lieut. George M. Wheeler	1:6,000,000	1880				"Progress map, tinted areas. To 1880. Similar style to [P1281-30]"--Phillips, p.707	<a href="https://www.davidrumsey.com/luna/servlet/s/76o617">https://www.davidrumsey.com/luna/servlet/s/76o617</a>
	P1281-34		1881 Progress Map of the U.S. Geographical Surveys West of the 100th Meridian to accompany the annual report of 1st Lieut. M.M. Macomb	1:6,000,000	1881?				"Progress map, tinted areas. To 1881. To accompany report of 1st Lt. M.M. Macomb, 4th U.S. Artillery. Style similar to [P1281-30]"--Phillips, p.707	<a href="https://www.loc.gov/resource/g4050m.gct00105a/?sp=28&amp;st=single#">https://www.loc.gov/resource/g4050m.gct00105a/?sp=28&amp;st=single#</a>
	P1281-35		[NO SOURCE TO CONFIRM TITLE]	1:6,000,000	1881				"Same as [P1281-34]. To accompany 2d edition of list of reports and map, June 30, 1881"--Phillips, p.707	No digital image available

Sheet No.	Phillips #	Category	Title	Scale	Pub year	Originally issued with (SuDoc)	Serial Set	Details for numbered sheets	Notes and distinguishing characteristics	Digital Image
	P1281-36	Progress maps	1882 progress map of the U.S. geographical surveys west of the 100th meridian to accompany the annual report of 1st Lieut. George M. Wheeler	1:6,000,000	1882				"Progress map. To accompany the annual report of 1st lieutenant M.M. Macomb, 4th U.S. Artillery," to 1882 (The last edition of the series of progress maps)--Phillips, p.707. Further notes from Phillips for this sheet go into the "359,065 square miles" surveyed, breaking down the square miles into 326,891 miles delineated into atlas sheets, and the "32,174 square miles" without enough information to issue sheets.	<a href="https://www.davidrumsey.com/luna/servlet/s/em9033">https://www.davidrumsey.com/luna/servlet/s/em9033</a>
	P1281-37	special sheets	Map of the area of drainage to the Atlantic and Pacific Oceans and of the interior basins of the territory of the United States west of the Mississippi River	1:6,000,000	1873				"Maps of areas of drainage, west of the Mississippi River. River basins in tint. 1869-1873. Seal with names"--Phillips, p.707. At top of map: "Geographical & Geological Explorations & Surveys west of the One Hundredth Meridian" "Seasons of 1869, 1871, 1872 & 1873" "Louis Nell, del" Watersheds of major river systems tinted. Great Basin labeled "INTERIOR". Large seal with names.	<a href="https://www.loc.gov/resource/g4050m.gct00105a/?sp=31&amp;st=single#">https://www.loc.gov/resource/g4050m.gct00105a/?sp=31&amp;st=single#</a>
	P1281-38	special sheets	Map of the area of drainage to the Atlantic and Pacific Oceans and of the interior basins of the territory of the United States west of the Mississippi River	1:6,000,000	1875?				"By order of the honorable Wm. W. Belknap, Secretary of War." 1869-1874. Small narrow seal. The words "The lakes" larger letters than on [P1281-37]--Phillips, p.708	<a href="https://www.loc.gov/resource/g4050m.gct00105a/?sp=32&amp;st=single#">https://www.loc.gov/resource/g4050m.gct00105a/?sp=32&amp;st=single#</a>
32C	P1281-39	topographical	[Title of "South eastern Idaho?"]	1:253,440	1881			Final Report (1889). Vol.1, page 236	"Atlas sheet (32)C s.w. quarter of atlas sheet (32). In hachures, with light brown tint. Issued January 10, 1881. Small seal."--Phillips, p.708	<a href="https://www.loc.gov/resource/g4050m.gct00105a/?sp=33&amp;st=single#">https://www.loc.gov/resource/g4050m.gct00105a/?sp=33&amp;st=single#</a>
32C	P1281-40	land classification	Land classification map of part of south eastern Idaho	1:253,440	1881			Final Report (1889). Vol.1, page 238	"Same as [P1281-39] giving classification of land in various tints and also per cent of each. Small seal. Issued January 10, 1881"--Phillips, p.708	<a href="https://www.davidrumsey.com/luna/servlet/s/rb5296">https://www.davidrumsey.com/luna/servlet/s/rb5296</a>
32D	P1281-41	topographical	Part of south-eastern Idaho	1:253,440	1879			Final Report (1889). Vol.1, page 236	"Atlas sheet 32(D) (S. E. quarter of atlas sheet 32) In hachures, small narrow seal; light gray under tint. Expeditions 1877"--Phillips, p.708	<a href="https://www.davidrumsey.com/luna/servlet/s/b7v911">https://www.davidrumsey.com/luna/servlet/s/b7v911</a>
32D	P1281-42	land classification	Land classification map of part of south-eastern Idaho	1:253,440	1879	W8.1:879		Final Report (1889). Vol.1, page 238	"Same as [P1281-41] showing land classification. Issued June 30, 1879. Small broad seal."--Phillips, p.708	<a href="https://www.davidrumsey.com/luna/servlet/s/q3zq68">https://www.davidrumsey.com/luna/servlet/s/q3zq68</a>
38B	P1281-43	topographical	Parts of N.E. California, N.W. Nevada, and southern Oregon	1:253,440	1882			Final Report (1889). Vol.1, page 239	"Atlas sheet 38(B) (N.E. quarter of atlas sheet 38) In hachures; small seal; light cream under-tint; lakes without tint. Issued June 30, 1882."--Phillips, p.708	<a href="https://www.davidrumsey.com/luna/servlet/s/730bh5">https://www.davidrumsey.com/luna/servlet/s/730bh5</a>
38D	P1281-44	topographical	Parts of N.E. California & N.W. Nevada	1:253,440	1880			Final Report (1889). Vol.1, page 239	"Atlas sheet 38(D) In hachures; small seal; light cream under-tint. Lakes without tint. Issued November 15, 1880"--Phillips, p.708	<a href="https://www.davidrumsey.com/luna/servlet/s/45tz36">https://www.davidrumsey.com/luna/servlet/s/45tz36</a>
38D	P1281-45	land classification	Land classification map of parts of N.E. California & N.W. Nevada	1:253,440	1880			Final Report (1889). Vol.1, page 240	"Same as [P1281-44] showing land classification. Issued November 15, 1880"--Phillips, p.708	<a href="https://www.davidrumsey.com/luna/servlet/s/ug81c5">https://www.davidrumsey.com/luna/servlet/s/ug81c5</a>
41A	P1281-46	topographical	Parts of southern Idaho & northern Utah	1:253,440	1880			Final Report (1889). Vol.1, page 241	"Atlas sheet 41(A) In hachures. No seal; very light under-tint. Issued June 30, 1880"--Phillips, p.708	<a href="https://www.davidrumsey.com/luna/servlet/s/3274jz">https://www.davidrumsey.com/luna/servlet/s/3274jz</a>
41A	P1281-47	land classification	Parts of southern Idaho & northern Utah	1:253,440	1880			Final Report (1889). Vol.1, page 242	"Same as [P1281-46] showing land classification; small seal. Issued June 30, 1880"--Phillips, p.708. Not titled as land classification or "economic features", but contains land classification content and legend.	<a href="https://www.davidrumsey.com/luna/servlet/s/1h049z">https://www.davidrumsey.com/luna/servlet/s/1h049z</a>
41B	P1281-48	topographical	North-eastern Utah & south-eastern Idaho	1:253,440	1878			Final Report (1889). Vol.1, page 241	"Atlas sheet 41(B) In hachures; small seal, very light grey under-tint. Issued June 30, 1878"--Phillips, p.708	<a href="https://www.davidrumsey.com/luna/servlet/s/4766w0">https://www.davidrumsey.com/luna/servlet/s/4766w0</a>
41B	P1281-49	land classification	Land classification map of north-eastern Utah and south-eastern Idaho	1:253,440	1878	W8.1:878		Final Report (1889). Vol.1, page 242	"Same as [P1281-48] showing land classification. Issued June 30, 1878."--Phillips, p.708	<a href="https://www.davidrumsey.com/luna/servlet/s/8oz17v">https://www.davidrumsey.com/luna/servlet/s/8oz17v</a>
47A	P1281-50	topographical	Part of north central California	1:253,440	1881			Final Report (1889). Vol.1, page 244	"Atlas sheet 47(A) In hachures; small seal; dark cream under-tint. Issued June 30, 1881."--Phillips, p.708	<a href="https://www.davidrumsey.com/luna/servlet/s/14p613">https://www.davidrumsey.com/luna/servlet/s/14p613</a>
47A	P1281-51	land classification	Land classification map of part of north central California	1:253,440	1881			Final Report (1889). Vol.1, page 245	"Same as [P1281-50] showing land classification. Issued June 30, 1881"--Phillips, p.708. Atlas sheet 47 (1:506,880 scale) not published.	<a href="https://www.davidrumsey.com/luna/servlet/s/0o46u0">https://www.davidrumsey.com/luna/servlet/s/0o46u0</a>
47B & 47D	P1281-52	topographical	Parts of eastern California and western Nevada	1:253,440	1877	W8.1:878		Final Report (1889). Vol.1, page 244	"Atlas sheet 47(B) and 47(D) in one sheet. Outline in black; drainage in blue; small sea; light tint. Printed for immediate use. Seasons 1876 and 1877."--Phillips, p.708. Preliminary sheet "printed for immediate use in advance of final publication". Light blue tint on lakes. No topography shown.	<a href="https://www.davidrumsey.com/luna/servlet/s/4izxqo">https://www.davidrumsey.com/luna/servlet/s/4izxqo</a>
47B & 47D	P1281-53	topographical	Parts of eastern California and western Nevada	1:253,440	1879			Final Report (1889). Vol.1, page 244	"Atlas sheet 47(B) and 47(D) joined as one sheet. In hachures; light tint; small seal. Issued June 30, 1879."--Phillips, p.708. Both 47B and 47D coverage areas on one double-size sheet. Shows topography. Drainage and lakes in blue.	<a href="https://www.davidrumsey.com/luna/servlet/s/o4i015">https://www.davidrumsey.com/luna/servlet/s/o4i015</a>
47B & 47D	P1281-54	land classification	Land classification map of parts of eastern Cal. and western Nev.	1:253,440	1879	W8.1:879		Final Report (1889). Vol.1, page 245	"Same as [P1281-53] showing land classification. Issued June, 1879"--Phillips, p.708. Both 47B and 47D coverage areas on one double-size sheet	<a href="https://www.davidrumsey.com/luna/servlet/s/g02vs9">https://www.davidrumsey.com/luna/servlet/s/g02vs9</a>
47B	P1281-55	topographical	Parts of eastern California and western Nevada	1:253,440	1882			Final Report (1889). Vol.1, page 244	"Atlas sheet, 47(B) In hachures; gray under-tint; lakes without tint; small seal. Issued June 30, 1882."--Phillips, p.708	<a href="https://www.davidrumsey.com/luna/servlet/s/o45x08">https://www.davidrumsey.com/luna/servlet/s/o45x08</a>
47D	P1281-56	topographical	Parts of eastern California and southwestern Nevada	1:253,440	1882			Final Report (1889). Vol.1, page 244	"Atlas sheet 47(D) In hachures; gray under-tint; lakes without tint; small seal. Issued June 30, 1882."--Phillips, p.708	<a href="https://www.davidrumsey.com/luna/servlet/s/fj4106">https://www.davidrumsey.com/luna/servlet/s/fj4106</a>
48C	P1281-57	topographical	Part of western Nevada	1:253,440	1882			Final Report (1889). Vol.1, page 246	"Atlas sheet 48(C) In hachures; small seal; light gray under-tint. Issued April 29, 1882."--Phillips, p.708	<a href="https://www.davidrumsey.com/luna/servlet/s/h26z78">https://www.davidrumsey.com/luna/servlet/s/h26z78</a>
48D	P1281-58	topographical	Part of central Nevada	1:253,440	1882			Final Report (1889). Vol.1, page 246	"Atlas sheet 48(D) Northeast portion not surveyed. In hachures; light gray under-tint; small seal. Issued June 30, 1882."--Phillips, p.708.	<a href="https://www.davidrumsey.com/luna/servlet/s/c4ezf5">https://www.davidrumsey.com/luna/servlet/s/c4ezf5</a>

Sheet No.	Phillips #	Category	Title	Scale	Pub year	Originally issued with (SuDoc)	Serial Set	Details for numbered sheets	Notes and distinguishing characteristics	Digital Image
49	P1281-59	topographical	Parts of eastern Nevada and western Utah	1:506,880	1872			Final Report (1889). Vol.1, page 249	"Atlas sheet 49. In hachures; light neutral under-tint. Small broad seal. Seasons 1869 and 1872 (Graphic Co., New York, N.Y.) Lakes lined."--Phillips, p.708." "...SECRETARY OF WAR" text extends into area where central text is below map.	<a href="https://www.davidrumsey.com/luna/servlet/s/gp9909">https://www.davidrumsey.com/luna/servlet/s/gp9909</a>
49	P1281-60	topographical	Parts of eastern Nevada and western Utah	1:506,880	1872			Final Report (1889). Vol.1, page 249	"Same as [P1281-59] In crayon; small narrow seal; light ground tint."--Phillips, p.708	<a href="https://www.davidrumsey.com/luna/servlet/s/p6d649">https://www.davidrumsey.com/luna/servlet/s/p6d649</a>
50	P1281-61	topographical	Central & western Utah	1:506,880	1873			Final Report (1889). Vol.1, page 252	"Atlas sheet 50. In hachures; large seal with names; cream under tint; lakes in blue. 'Sevier lake 4600 above sea level.' Expeditions 1872 and 1873.' 'Salt Lake City' outside the border."--Phillips, p.708. Printed with light blue lakes with no 'wave lines' inside lake boundary.	<a href="https://www.davidrumsey.com/luna/servlet/s/z91w1wn">https://www.davidrumsey.com/luna/servlet/s/z91w1wn</a>
50	P1281-62	topographical	Central & western Utah	1:506,880	1873?			Final Report (1889). Vol.1, page 252	"In hachures; small seal; no altitude for Sevier Lake; lakes shaded by black lines; light neutral under-tint. 'Salt Lake City' omitted (Graphic Co. photo-lit., New York.)"--Phillips, p.708	<a href="https://www.loc.gov/resource/g4050m.gct00105a/?sp=57&amp;st=single#">https://www.loc.gov/resource/g4050m.gct00105a/?sp=57&amp;st=single#</a>
50	P1281-63	topographical	Central & western Utah	1:506,880	1873?			Final Report (1889). Vol.1, page 252	"Same as [P1281-62] Light neutral under-tint. No imprint of Graphic Co., N.Y."--Phillips, p.708	<a href="https://www.loc.gov/resource/g4050m.gct00105a/?sp=58&amp;st=single#">https://www.loc.gov/resource/g4050m.gct00105a/?sp=58&amp;st=single#</a>
50	P1281-64	topographical	Central & western Utah	1:506,880	1873			Final Report (1889). Vol.1, page 252	"Same as [P1281-63] in crayon. Small narrow seal. 'Salt Lake City' outside the border. Cream under-tint and lightened for high lands."--Phillips, p.708 Color version with isometric 'wave lines' within Utah Lake boundaries.	<a href="https://www.davidrumsey.com/luna/servlet/s/rj8p1">https://www.davidrumsey.com/luna/servlet/s/rj8p1</a>
50	P1281-65	geological	Central & western Utah	1:506,880	1873	W8.2:G29/2		Final Report (1889). Vol.1, page 252	"Same as [P1281-64] in crayon; showing areas of different geological formations in various tints. 'Salt Lake City' outside the border as [P1281-61]."--Phillips, p.709.	<a href="https://www.davidrumsey.com/luna/servlet/s/30qx2y">https://www.davidrumsey.com/luna/servlet/s/30qx2y</a>
52D	P1281-66	topographical	Part of central Colorado	1:253,440	1882?			Final Report (1889). Vol.1, page 255	"Atlas sheet 52(D) In hachures; small seal; light gray under-tint. Expeditions 1873, 1876, and 1879"--Phillips, p.709. Date estimate based on note in 1883 annual report regarding its final preparation for release.	<a href="https://www.davidrumsey.com/luna/servlet/s/y2yk9z">https://www.davidrumsey.com/luna/servlet/s/y2yk9z</a>
52D	P1281-67	land classification	Land classification map of part of central Colorado	1:253,440	1879?			Final Report (1889). Vol.1, page 257	"Same as [P1281-66] showing land classification"--Phillips, p.709	<a href="https://www.davidrumsey.com/luna/servlet/s/5x1045">https://www.davidrumsey.com/luna/servlet/s/5x1045</a>
53C	P1281-68	topographical	Part of central Colorado	1:253,440	1877	W8.1:877		Final Report (1889). Vol.1, page 258	"Atlas sheet 53(C) In hachures; small broad seal; light grey under-tint. Issued May 7, 1877."--Phillips, p.709	<a href="https://www.davidrumsey.com/luna/servlet/s/92yk8q">https://www.davidrumsey.com/luna/servlet/s/92yk8q</a>
56B	P1281-69	topographical	Parts of eastern California and western Nevada	1:253,440	1883			Final Report (1889). Vol.1, page 260	"Atlas sheet 56(B) In hachures; small narrow seal; dark cream under-tint. Issued March 31, 1883."--Phillips, p.709. Full atlas sheet 56 (1:506,880 scale) not published.	<a href="https://www.davidrumsey.com/luna/servlet/s/6jk8nh">https://www.davidrumsey.com/luna/servlet/s/6jk8nh</a>
56D	P1281-70	topographical	Parts of central California	1:253,440	1882?			Final Report (1889). Vol.1, page 260	"Atlas sheet 56(D) In hachures; small seal; warm grey under-tint. Expeditions 1878 and 1879."--Phillips, p.709. Date estimated by on note in 1883 annual report indicating its final preparation.	<a href="https://www.davidrumsey.com/luna/servlet/s/m7m33u">https://www.davidrumsey.com/luna/servlet/s/m7m33u</a>
57	P1281-71	topographical	Parts of southern Nevada and eastern California	1:506,880	1871			Final Report (1889). Vol.1, page 262	"Atlas sheet 57. Same style and seal as [P1281-62] Lakes black lined, light neutral under-tint. expedition 1871. (Graphic Co., N.Y.)"--Phillips, p.709	<a href="https://www.davidrumsey.com/luna/servlet/s/4hdjmy">https://www.davidrumsey.com/luna/servlet/s/4hdjmy</a>
58	P1281-72	topographical	Parts of eastern and southeastern Nevada & southwestern Utah	1:506,880	1872			Final Report (1889). Vol.1, page 265	"Atlas sheet 58. In hachures; lakes in blue tint; cream yellow undertint; seal with encircling names. 'Expeditions 1869, 1871, and 1872"--Phillips, p.709	<a href="https://www.loc.gov/resource/g4050m.gct00105a/?sp=58&amp;st=single#">https://www.loc.gov/resource/g4050m.gct00105a/?sp=58&amp;st=single#</a>
58	P1281-73	topographical	Parts of eastern and southern Nevada & southern Utah	1:506,880	1872			Final Report (1889). Vol.1, page 265	"Atlas sheet 58. In hachures; lakes black lined; small seal with wreath; bluish grey tint (same style as [P1281-71]). Expeditions 1869, 1871 and 1872. (Graphic co., N.Y.)"--Phillips, p.709	<a href="https://www.loc.gov/resource/g4050m.gct00105a/?sp=69&amp;st=single#">https://www.loc.gov/resource/g4050m.gct00105a/?sp=69&amp;st=single#</a>
58	P1281-74	topographical	Parts of eastern and southern Nevada	1:506,880	1872			Final Report (1889). Vol.1, page 265	Dark beige topography. "Atlas sheet 58 Same as [P1281-73]. Light neutral under-tint. (Graphic co., N.Y.)"--Phillips, p.709. In hachures.	<a href="https://www.davidrumsey.com/luna/servlet/s/rf6b80">https://www.davidrumsey.com/luna/servlet/s/rf6b80</a>
58	P1281-75	topographical	Parts of eastern and southern Nevada	1:506,880	1872			Final Report (1889). Vol.1, page 265	"Atlas sheet 58". In crayon; light yellow under-tint. Small narrow seal."--Phillips, p.709. Light tan topography, with vertical lines used to illustrate several topographic features on left side of map (different from dark-beige edition). Shaded relief.	<a href="https://www.davidrumsey.com/luna/servlet/s/85whsp">https://www.davidrumsey.com/luna/servlet/s/85whsp</a>
58/66	P1281-76	geological	Parts of E. California, S.E. Nevada, N.W. Arizona & S.W. Utah	1:506,880	1873	W8.2:G29/2		Final Report (1889). Vol.1, pages 265 and 281	"Atlas sheet 58 (in part) and atlas sheet 66 (in part on one sheet). In crayon and showing geological formations in tints. Small seal (Such sheets comprise the geological atlas, as distinctive from the topographical atlas)"--Phillips, p.709. Geological maps use topo version as base. Covers half of 58 and half of 66. Single sheet with two separated maps.	<a href="https://www.davidrumsey.com/luna/servlet/s/dwv843">https://www.davidrumsey.com/luna/servlet/s/dwv843</a>
59	P1281-77	topographical	Southwestern Utah	1:506,880				Final Report (1889). Vol.1, page 267	"Atlas sheet 59. Not designated and without seal; blue lakes; in hachures; dark cream tint; no scale. (probably a proof)"--Phillips, p.709	
59	P1281-78	topographical	Southwestern Utah	1:506,880	1873			Final Report (1889). Vol.1, page 267	"Atlas sheet 59. Designated; Seal with names; lakes blue and scale furnished; light cream tint; Expeditions 1872 and 1873."--Phillips, p.709. Dark beige topography and light blue lake. No lake level text or lines inside lake boundary.	<a href="https://www.davidrumsey.com/luna/servlet/s/x46a67">https://www.davidrumsey.com/luna/servlet/s/x46a67</a>
59	P1281-79	topographical	Southwestern Utah	1:506,880				Final Report (1889). Vol.1, page 267	"Atlas sheet 59. In hachures; small broad seal; lakes lined; greenish neutral under-tint. Altitude of Sevier lake given."--Phillips, p.709	<a href="https://www.loc.gov/resource/g4050m.gct00105a/?sp=74&amp;st=single#">https://www.loc.gov/resource/g4050m.gct00105a/?sp=74&amp;st=single#</a>

Sheet No.	Phillips #	Category	Title	Scale	Pub year	Originally issued with (SuDoc)	Serial Set	Details for numbered sheets	Notes and distinguishing characteristics	Digital Image
59	P1281-80	topographical	Southwestern Utah	1:506,880				Final Report (1889). Vol.1, page 267	"Atlas sheet 59. In hachures; small seal; very light grey under-tint."--Phillips, p.709. Black-and-white sheet. Incl. lake level with horizontal lines as Sevier Lake fill	
59	P1281-81	topographical	Southwestern Utah	1:506,880				Final Report (1889). Vol.1, page 267	"Atlas sheet 59. Similar to [P1281-80]. (A good print on better quality of paper)"--Phillips, p.709	
59	P1281-82	topographical	Southwestern Utah	1:506,880	1873			Final Report (1889). Vol.1, page 267	"Atlas sheet 59. In crayon. Cream under-tint, lightened for high land."--Phillips, p.709. Light tan lowlands, with off-white uplands. Light-blue Sevier Lake showing lake level and isometric 'wave lines' within lake boundary.	<a href="https://www.davidrumsey.com/luna/servlet/s/74sjk1">https://www.davidrumsey.com/luna/servlet/s/74sjk1</a>
59	P1281-83	geological	Southern and southwestern Utah	1:506,880	1873	W8.2:G29/2		Final Report (1889). Vol.1, page 267	"Atlas sheet 59. In crayon, and showing geological formations in tints."--Phillips, p.709	<a href="https://www.davidrumsey.com/luna/servlet/s/ta6d8u">https://www.davidrumsey.com/luna/servlet/s/ta6d8u</a>
61A	P1281-84	proof	Parts of south western Colorado	1:253,440				Final Report (1889). Vol.1, page 270	"Atlas sheet 61(A). In contours; a proof on drawing paper for land classification; small seal; no under-tint."--Phillips, p.709. Final report includes description of a published sheet 61 (1:506,880) though this sheet is not known to have reached actual publication.	
61A	P1281-85	topographical	Parts of south western Colorado	1:253,440	1877			Final Report (1889). Vol.1, page 270	"Atlas sheet 61(A). In hachures; small seal."--Phillips, p.709	<a href="https://www.davidrumsey.com/luna/servlet/s/i15c11">https://www.davidrumsey.com/luna/servlet/s/i15c11</a>
61A	P1281-86	land classification	Land classification map of part of western Colorado	1:253,440	1878?			Final Report (1889). Vol.1, page 270	"Atlas sheet 61(A). Land classification sheet; base same as [P1281-84]"--Phillips, p.709	
61B	P1281-87	topographical	Central Colorado	1:253,440	1876			Final Report (1889). Vol.1, page 270	"Atlas sheet 61(B). In hachures; small broad seal; light grey tint. Issued March 3, 1876. Graphic Co., N.Y."--Phillips, p.709. "Expeditions of 1873-1874 & 1875" in lower left margin.	<a href="https://www.davidrumsey.com/luna/servlet/s/8hs9kj">https://www.davidrumsey.com/luna/servlet/s/8hs9kj</a>
61B	P1281-88	topographical	Central Colorado	1:253,440	1882?			Final Report (1889). Vol.1, page 270	"Atlas sheet 61(B). In hachures and a new drawing. Small narrow seal; light cream under-tint."--Phillips, p.709. Dark beige. "Expeditions of 1873, 74, 75, 76 & 79" in lower left margin. Date estimate based on note in 1883 annual report indicating its final preparation for release.	<a href="https://www.davidrumsey.com/luna/servlet/s/0xmql0">https://www.davidrumsey.com/luna/servlet/s/0xmql0</a>
61B	P1281-89	land classification	[NO SOURCE TO CONFIRM TITLE]	1:253,440				Final Report (1889). Vol.1, page 270	"Atlas sheet 61(B). In hachures; base same as [P1281-87]; for land classification"--Phillips, p.709	
61B	P1281-90	land classification	Economical features of Central Colorado	1:253,440	1876	W8.1:877		Final Report (1889). Vol.1, page 270	"Atlas sheet 61(B). Land classification; base map same as [P1281-87]. Issued March 3, 1876"--Phillips, p.709. Has "Economical features" title variation. Some issues of this sheet include the numeral '2' on the back, indicating it was issued with the 1877 Annual Report as sheet number 2 in that release of atlas sheets.	<a href="https://www.davidrumsey.com/luna/servlet/s/q189el">https://www.davidrumsey.com/luna/servlet/s/q189el</a>
61C	P1281-91	topographical	Southwestern Colorado	1:253,440	1875			Final Report (1889). Vol.1, page 270	"Atlas sheet 61(C). In outline; small seal; light grey under-tint. Printed for immediate use. Scale 1 inch to 4 miles"--Phillips, p.709. Advance, black-and-white print. No topography. Some issues of this sheet include the numeral '2' on the back, indicating it was issued with the 1876 Annual Report as sheet number 2 in that release of atlas sheets.	<a href="https://www.davidrumsey.com/luna/servlet/s/75lcx6">https://www.davidrumsey.com/luna/servlet/s/75lcx6</a>
61C	P1281-92	topographical	Southwestern Colorado	1:253,440	1878			Final Report (1889). Vol.1, page 270	"Atlas sheet 61(C). "In hachures; Small seal, light grey under-tint. Issued June 30, 1878. Scale 1 inch to 4 miles"--Phillips, p.710. Appears to be a 'final edition'	<a href="https://www.davidrumsey.com/luna/servlet/s/206y11">https://www.davidrumsey.com/luna/servlet/s/206y11</a>
61C	P1281-93	proof	[NO SOURCE TO CONFIRM TITLE]	1:253,440				Final Report (1889). Vol.1, page 270	"Atlas sheet 61(C). Base map for land classification, proof print on thick drawing paper, small broad seal"--Phillips, p.710	
61C	P1281-94	land classification	Land classification map of part of south western Colorado	1:253,440	1878	W8.1:878		Final Report (1889). Vol.1, page 270	"Atlas sheet 61(C). In hachures; small seal, giving land classification. Scale 1 inch to 4 miles. Issued June 30, 1878. Base same as [P1281-92] and [P1281-93]"--Phillips, p.710. Some issues of this sheet include the numeral '5' on the back, indicating it was issued with the 1878 Annual Report as sheet number 5 in that release of atlas sheets.	<a href="https://www.davidrumsey.com/luna/servlet/s/250yiz">https://www.davidrumsey.com/luna/servlet/s/250yiz</a>
61C (sub)	P1281-95	topographical	S.W. Colorado, San Juan Mining Region	1:126,720				Final Report (1889). Vol.1, page 270	"Atlas sheet 61(C). Comprising a portion of 61(C) in the San Juan mining region, s.w. Colorado. In black contours and outline; small seal; cream under-tint. The sheets comprising this area are sometimes designated as '61(C) sub'. Scale 1 inch to 2 miles. Issued April 24, 1876 for immediate use.	Not in David Rumsey collection
61C (sub)	P1281-96	proof	[NO SOURCE TO CONFIRM TITLE]	1:126,720				Final Report (1889). Vol.1, page 270	"Atlas sheet 61(C). Same area as [P1281-95]. Proof print on drawing paper; no seal; contours in reddish brown; drainage in blue; outlines in black"--Phillips, p.710	
61C (sub)	P1281-97	topographical	S.W. Colorado, San Juan Mining Region	1:126,720	1876	W8.1:876		Final Report (1889). Vol.1, page 270	Final edition (color). "Atlas sheet 61(C). Base same as [P1281-96]. In reddish brown and green contours; drainage in blue; highest peaks in hachures.... small seal"--Phillips, p.710. Some issues of this sheet include the numeral '3' on the back, indicating it was issued with the 1876 Annual Report as sheet number 3 in that release of atlas sheets.	<a href="https://www.davidrumsey.com/luna/servlet/s/26fo3">https://www.davidrumsey.com/luna/servlet/s/26fo3</a>
61C (sub)	P1281-98	land classification	Economical features of S.W. Colorado, San Juan Mining Region	1:126,720	1877	W8.1:877		Final Report (1889). Vol.1, page 270	Central core area of 61C. "Atlas sheet 61(C). Same base and area as [P1281-96]. In black contours; drainage and outlines; small seal; shows land classifications. Scale 1 inch to 2 miles"--Phillips, p.710	<a href="https://www.davidrumsey.com/luna/servlet/s/7cm60f">https://www.davidrumsey.com/luna/servlet/s/7cm60f</a>

Sheet No.	Phillips #	Category	Title	Scale	Pub year	Originally issued with (SuDoc)	Serial Set	Details for numbered sheets	Notes and distinguishing characteristics	Digital Image
61D	P1281-99	topographical	Part of south western Colorado	1:253,440	1878	W8.1:877		Final Report (1889). Vol.1, page 270 (sheet 61 generally described in addition to the quarter-sections, though no sheet cover the full grid is known to have been published)	"Atlas sheet 61(D). In hachures; reddish cream under-tint; small seal. Issued January 10, 1878"--Phillips, p.710	<a href="https://www.davidrumsey.com/luna/servlet/s/68u52h">https://www.davidrumsey.com/luna/servlet/s/68u52h</a>
61D	P1281-100	land classification	Land classification map of part of south western Colorado		1879	W8.1:879		Final Report (1889). Vol.1, page 270 (sheet 61 generally described in addition to the quarter-sections, though no sheet cover the full grid is known to have been published)	"Atlas sheet 61(D). Same base as [P1281-99] showing land classification. Issued January 10, 1878"--Phillips, p.710. Some issues of this sheet include the numeral "4" on the back, indicating it was issued with the 1879 Annual Report as sheet number 4 in that release of atlas sheets.	<a href="https://www.davidrumsey.com/luna/servlet/s/2xtxrt">https://www.davidrumsey.com/luna/servlet/s/2xtxrt</a>
62A	P1281-101	topographical	Central Colorado	1:253,440	1878			Final Report (1889). Vol.1, page 273	"Atlas sheet 62(A). In hachures; small seal; dark cream under-tint, lightened for high land. Issued March 14, 1878"--Phillips, p.710	<a href="https://www.davidrumsey.com/luna/servlet/s/v10255">https://www.davidrumsey.com/luna/servlet/s/v10255</a>
62A	P1281-102	proof	[NO SOURCE TO CONFIRM TITLE]	1:253,440				Final Report (1889). Vol.1, page 273	"Atlas sheet 62(A). Proof print on white drawing paper, as base for land classification sheet. Same otherwise as [P1281-101]"--Phillips, p.710	
62A	P1281-103	land classification	Land classification map of part of central Colorado	1:253,440	1878	W8.1:878		Final Report (1889). Vol.1, page 273	"Atlas sheet 62(A). Same as [P1281-102] and a land classification sheet. Issued March 14, 1878"--Phillips, p.710	<a href="https://www.davidrumsey.com/luna/servlet/s/ui37x8">https://www.davidrumsey.com/luna/servlet/s/ui37x8</a>
62C	P1281-104	topographical	Part of southern Colorado	1:253,440	1878			Final Report (1889). Vol.1, page 273	"Atlas sheet 62(C). In hachures; small seal; deep cream under-tint lightened at high peaks and ridges. Issued March 14, 1878."--Phillips, p.710	<a href="https://www.davidrumsey.com/luna/servlet/s/723ic9">https://www.davidrumsey.com/luna/servlet/s/723ic9</a>
62C	P1281-105	proof	[NO SOURCE TO CONFIRM TITLE]	1:253,440				Final Report (1889). Vol.1, page 273	"Atlas sheet 62(C). Same as [P1281-104] except as a base for land classification; proof on white drawing paper"--Phillips, p.710	
62C	P1281-106	land classification	Land classification map of part of southern Colorado	1:253,440	1878	W8.1:878		Final Report (1889). Vol.1, page 273	"Atlas sheet 62(C). A land classification sheet; base map as [P1281-105]. Issued March 14, 1878."--Phillips, p.710	<a href="https://www.davidrumsey.com/luna/servlet/s/8i55g4">https://www.davidrumsey.com/luna/servlet/s/8i55g4</a>
62D	P1281-107	topographical	Part of south eastern Colorado	1:253,440	1882			Final Report (1889). Vol.1, page 273	"Atlas sheet 62(D). In hachures; small seal; cream under-tint. Issued June 30, 1882"--Phillips, p.710	<a href="https://www.davidrumsey.com/luna/servlet/s/1qac52">https://www.davidrumsey.com/luna/servlet/s/1qac52</a>
65	P1281-108	topographical	[NO SOURCE TO CONFIRM TITLE]	1:506,880				Final Report (1889). Vol.1, page 277	"Atlas sheet 65. In hachures; graying cream under-tint; small broad seal. 1 inch to 8 miles. (Graphic co., N.Y.) (This edition was withdrawn and cut up for computation blocks)"--Phillips, p.710	
65D	P1281-109	topographical	Part of eastern California	1:253,440	1877			Final Report (1889). Vol.1, page 277	"Atlas sheet 65(D). In hachures; small broad seal; gray cream under-tint and omitted for flats and areas below sea-level. Scale 1 inch to 4 miles. Issued May 7, 1877. (Graphic Co., N.Y.)"--Phillips, p.710. White lakes (no fill)	<a href="https://www.davidrumsey.com/luna/servlet/s/72tm2">https://www.davidrumsey.com/luna/servlet/s/72tm2</a>
65D	P1281-110	land classification	Land classification of eastern California	1:253,440	1877	W8.1:877		Final Report (1889). Vol.1, page 277	"Atlas sheet 65(D). Same base as [P1281-109] and as a land classification sheet. Issued May 7, 1877."--Phillips, p.710	<a href="https://www.davidrumsey.com/luna/servlet/s/gkctmw">https://www.davidrumsey.com/luna/servlet/s/gkctmw</a>
65D	P1281-111	proof	[NO SOURCE TO CONFIRM TITLE]	1:253,440				Final Report (1889). Vol.1, page 277	"Atlas sheet 65(D). Proof of experimental tints for [P1281-109]. Low areas in altitude given a dark, neutral tint"--Phillips, p.710	
65D	P1281-112	land classification	[NO SOURCE TO CONFIRM TITLE]	1:253,440	1877			Final Report (1889). Vol.1, page 277	"Atlas sheet 65(D). Base same as [P1281-109] and as a land classification sheet, with darker tints than [P1281-110]. Note--Atlas sheets 65 and 65(D) include the low areas of Death Valley, California. Issued may 7, 1877"--Phillips, p.710	<a href="https://www.loc.gov/resource/g4050m.gct00105b?sp=19#">https://www.loc.gov/resource/g4050m.gct00105b?sp=19#</a>
66	P1281-113	topographical	Parts of E. California, S.E. Nevada, N.W. Arizona and S.W. Utah	1:506,880	1876			Final Report (1889). Vol.1, page 281	"Atlas sheet 66. In hachures; dark cream under-tint; large seal with names. Rivers colored in blue. Expeditions of 1869, 1872 & 1873. The Colorado River shown in blue. Scale 1 inch to 8 miles. Same style as [P1281-61]"--Phillips, p.711.	<a href="https://www.davidrumsey.com/luna/servlet/s/mh1k7k">https://www.davidrumsey.com/luna/servlet/s/mh1k7k</a>
66	P1281-114	topographical	Parts of E. California, S.E. Nevada, N.W. Arizona and S.W. Utah	1:506,880	1876			Final Report (1889). Vol.1, page 281	"Atlas sheet 66. In hachures; same drawing as [P1281-113]. Very light neutral under-tint. Extra large with wreath, height 1 5/16 inches. No blue for Colorado River."--Phillips, p.711. Black-and-white version. "Expedition of 1869-1872 & 1873"	<a href="https://www.davidrumsey.com/luna/servlet/detail/RUMSEY-8-1-263103-5524026.66--Parts-Of-Eastern-&amp;Southeastern?yoq=q%3AP1281%3Bsort%3Apub_list_no_initialsort%2Cpub_list_no_initialsort%2Cpub_date%2Cpub_date%3Bic%3ARUMSEY%7E%37E18sort=pub_list_no_initialsort%2Cpub_list_no_initialsort%2Cpub_date%2Cpub_date&amp;mi=80&amp;irs=129">https://www.davidrumsey.com/luna/servlet/detail/RUMSEY-8-1-263103-5524026.66--Parts-Of-Eastern-&amp;Southeastern?yoq=q%3AP1281%3Bsort%3Apub_list_no_initialsort%2Cpub_list_no_initialsort%2Cpub_date%2Cpub_date%3Bic%3ARUMSEY%7E%37E18sort=pub_list_no_initialsort%2Cpub_list_no_initialsort%2Cpub_date%2Cpub_date&amp;mi=80&amp;irs=129</a>
66	P1281-115	topographical	Parts of E. California, S.E. Nevada, N.W. Arizona and S.W. Utah	1:506,880	1876			Final Report (1889). Vol.1, page 281	"Atlas sheet 66. Same drawing as [P1281-113]. Dark cream under-tint; small broad seal. Graphic Co., N.Y."--Phillips, p.711	
66	P1281-116	topographical	Parts of E. California, S.E. Nevada, N.W. Arizona and S.W. Utah	1:506,880	1872			Final Report (1889). Vol.1, page 281	"Atlas sheet 66. In crayon; small narrow seal"--Phillips, p.711. Monochromatic version with smoother shading than other editions. "Expeditions of 1869, 1871, 1872" in lower left margin.	<a href="https://www.davidrumsey.com/luna/servlet/s/v5qb39">https://www.davidrumsey.com/luna/servlet/s/v5qb39</a>



Sheet No.	Phillips #	Category	Title	Scale	Pub year	Originally issued with (SuDoc)	Serial Set	Details for numbered sheets	Notes and distinguishing characteristics	Digital Image
67	P1281-117	topographical	Part of northern & north western Arizona & southern Utah	1:506,880	1873			Final Report (1889). Vol.1, page 283	"Atlas sheet 67. In hachures; light gray under-tint; small broad seal. (Graphic Co., N.Y.) 'Grand Canyon sheet' "--Phillips, p. 711. Text below map is similar but distinct from P1281-118. Second line reads "... over the area represented on this sheet bounded approximately..." This map is sometimes referred to as "The Grand Canyon sheet" within Wheeler Survey context. Similar to P1281-118, but differs primarily in that 117 shows relief through hachures in addition to the aforementioned modified text.	
67	P1281-118	topographical	Part of northern & north western Arizona & southern Utah	1:506,880	1873			Final Report (1889). Vol.1, page 283	Shaded relief version. "Atlas sheet 67. In crayon; light shaded under-tint. NOTE--The outlines for the crayon sheet [eg, for Colorado River] were drawn on stone by the lithographer"--Phillips, p. 711. Text below map is similar but distinct from P1281-119. Second line reads "... in the area bounded approximately..." Like P1281-117, this sheet is likewise referred to as "The Grand Canyon sheet", but is the shaded relief version.	<a href="https://www.davidrumsey.com/luna/servlet/s/rfhqj7">https://www.davidrumsey.com/luna/servlet/s/rfhqj7</a>
67	P1281-119	geological	Parts of northern & north western Arizona, & southern Utah	1:506,880	1873	W8.2:G29/2		Final Report (1889). Vol.1, page 283	"Atlas sheet 67. In crayon as [P1281-118] and with added tints indicating geological formations."--Phillips, p.711. No quarter-sheets (A-D) were published for atlas sheet 67, per 1. Marcou, 1884. Page 141, entry 793 - U.S. Geol. Survey Bull. 7); 2. Phillips, 1909. Page 711, entry 119; 3. Wheeler, 1876. Annual Report, page 70; Wheeler, 1889. Geographical Report. Pages 283-286.	<a href="https://www.davidrumsey.com/luna/servlet/s/1y42v4">https://www.davidrumsey.com/luna/servlet/s/1y42v4</a>
69	P1281-120	topographical	Parts of southern Colorado and northern New Mexico	1:506,880	1882			Final Report (1889). Vol.1, page 286	"Atlas sheet 69. In hachures; small seal; gray under-tint. Issued June 30, 1882."--Phillips, p.711	<a href="https://www.davidrumsey.com/luna/servlet/s/187j79">https://www.davidrumsey.com/luna/servlet/s/187j79</a>
69B	P1281-121	topographical	Parts of south'n Colorado & north'n New Mexico	1:253,440	1878			Final Report (1889). Vol.1, page 286	"Atlas sheet 69(B). In hachures; small seal; light shaded gray under-tint. Issued January 8, 1878."--Phillips, p.711	<a href="https://www.davidrumsey.com/luna/servlet/s/4btlfm">https://www.davidrumsey.com/luna/servlet/s/4btlfm</a>
69B	P1281-122	land classification	Economical features of parts of south'n Colorado & north'n New Mexico	1:253,440	1878	W8.1:877		Final Report (1889). Vol.1, page 286	"Atlas sheet 69(B). In hachures as [P1281-121] and showing land classification. Issued January 8, 1878."--Phillips, p.711	<a href="https://www.davidrumsey.com/luna/servlet/s/o9962y">https://www.davidrumsey.com/luna/servlet/s/o9962y</a>
69B, 69D, 77B, 78A	P1281-123	geological	Parts of atlas sheets 69(B), 69(D), 77(B) and 78 (A)	1:253,440	1881			Final Report (1889). Vol.1, page 286	"Parts of atlas sheets 69(B), 69(D), 77(B), and 78(A). In hachures; small seal; showing geological formations. Issued June 30, 1881."--Phillips, p.711	<a href="https://www.davidrumsey.com/luna/servlet/s/3epq58">https://www.davidrumsey.com/luna/servlet/s/3epq58</a>
69D	P1281-124	topographical	North central New Mexico	1:253,440	1876			Final Report (1889). Vol.1, page 286	"Atlas sheet 69(D). In hachures; small broad seal; gray cream tint. (Graphic co., N.Y.) Issued April 26th, 1876. Special edition on extra thick paper."--Phillips, p.711	
69D	P1281-125	topographical	North central New Mexico	1:253,440	1876			Final Report (1889). Vol.1, page 286	"Atlas sheet 69(D). Same as [P1281-124]. An edition on usual paper for issue"--Phillips, p.711	<a href="https://www.davidrumsey.com/luna/servlet/s/58px5y">https://www.davidrumsey.com/luna/servlet/s/58px5y</a>
69D	P1281-126	land classification	Land classification of part of north central New Mexico	1:253,440	1876			Final Report (1889). Vol.1, page 286	"Atlas sheet 69(D). In hachures as [P1281-124] as base for land classification sheet, proof on thick drawing paper"--Phillips, p.711. Title shown here based solely on 1876 sheet.	
69D	P1281-127	land classification	Land classification map of part of north central New Mexico	1:253,440	1876	W8.1:878		Final Report (1889). Vol.1, page 286	"Atlas sheet 69(D). Issued April 26, 1876" [printed in lower left] --Phillips, p.711	<a href="https://www.davidrumsey.com/luna/servlet/s/fchd34">https://www.davidrumsey.com/luna/servlet/s/fchd34</a>
70A	P1281-128	topographical	Parts of southern Colorado and northern New Mexico	1:253,440	1877			Final Report (1889). Vol.1, page 289	"Atlas sheet 70(A). In hachures; small seal; gray cream under-tint. (Graphic Co., N.Y.) Issued May 7, 1877."--Phillips, p.711	<a href="https://www.davidrumsey.com/luna/servlet/s/25d1im">https://www.davidrumsey.com/luna/servlet/s/25d1im</a>
70A	P1281-129	proof	Part of southeastern Colorado and northeastern New Mexico	1:253,440				Final Report (1889). Vol.1, page 289	"Atlas sheet 70(A). In hachures as [P1281-128]. Proof of trial land classification tints and base"--Phillips, p.711. Title taken from final report (1889), vol.1, p.289.	
70A	P1281-130	land classification	Economic features of parts of southern Colorado and northern New Mexico	1:253,440	1877	W8.1:877		Final Report (1889). Vol.1, page 289	"Atlas sheet 70(A). Same as [P1281-129] with other and final tints showing land classification. Issued May 7, 1877."--Phillips, p.711	<a href="https://www.davidrumsey.com/luna/servlet/s/o8vwao">https://www.davidrumsey.com/luna/servlet/s/o8vwao</a>
70A	P1281-131	geological	Parts of southern Colorado and northern New Mexico	1:253,440	1881			Final Report (1889). Vol.1, page 289	"Atlas sheet 70(A). Same as [P1281-128] and showing geological formations. Second edition, June 30, 1881 of [P1281-128]"--Phillips, p.711	<a href="https://www.davidrumsey.com/luna/servlet/s/usfc0s">https://www.davidrumsey.com/luna/servlet/s/usfc0s</a>
70C	P1281-132	topographical	Part of north central New Mexico	1:253,440	1877			Final Report (1889). Vol.1, page 289	"Atlas sheet 70(C). In hachures; small seal; light cream under-tint. (Graphic Co., N.Y.) Issued May 7, 1877."--Phillips, p.711	<a href="https://www.davidrumsey.com/luna/servlet/s/7x7ep2">https://www.davidrumsey.com/luna/servlet/s/7x7ep2</a>
70C	P1281-133	land classification	Economic features of part of north central New Mexico	1:253,440	1877	W8.1:877		Final Report (1889). Vol.1, page 289	"Atlas sheet 70(C). In hachures as [P1281-132] and showing land classification. Issued May 7, 1877"--Phillips, p.711	<a href="https://www.davidrumsey.com/luna/servlet/s/pg1681">https://www.davidrumsey.com/luna/servlet/s/pg1681</a>
70C	P1281-134	geological	Part of north central New Mexico	1:253,440	1881			Final Report (1889). Vol.1, page 289	"Atlas sheet 70(C). In hachures as [P1281-132] and showing geological formations. Second editions of [P1281-132]. Issued June 30, 1881."--Phillips, p.711	<a href="https://www.davidrumsey.com/luna/servlet/s/c974kd">https://www.davidrumsey.com/luna/servlet/s/c974kd</a>
73	P1281-135	topographical	Part of southern California	1:506,880	1883			Final Report (1889). Vol.1, page 291	"Atlas sheet 73. In hachures; cream under-tint omitted for water-surfaces; small seal. Issued November 30, 1883. Scale 1 inch to 8 miles."--Phillips, p.711	<a href="https://www.davidrumsey.com/luna/servlet/s/6wu93j">https://www.davidrumsey.com/luna/servlet/s/6wu93j</a>
73A	P1281-136	topographical	Part of southern California	1:253,440	1879			Final Report (1889). Vol.1, page 291	"Atlas sheet 73(A). In hachures; shaded cream under-tint; small seal. Expeditions 1875 an 1878. Scale 1 inch to 4 miles. (No date of issue)"--Phillips, p.711. Shows the Southern Pacific Railroad tracks through the area covered by the map.	<a href="https://www.davidrumsey.com/luna/servlet/s/24i72v">https://www.davidrumsey.com/luna/servlet/s/24i72v</a>
73A	P1281-137	land classification	Land classification map of part of southern California	1:253,440	1879	W8.1:879		Final Report (1889). Vol.1, page 291	"Atlas sheet 73(A). In hachures as [P1281-136] and showing land classifications. Issued June 30, 1879."--Phillips, p.711	<a href="https://www.davidrumsey.com/luna/servlet/s/zxxwlr">https://www.davidrumsey.com/luna/servlet/s/zxxwlr</a>

Sheet No.	Phillips #	Category	Title	Scale	Pub year	Originally issued with (SuDoc)	Serial Set	Details for numbered sheets	Notes and distinguishing characteristics	Digital Image
73C	P1281-138	topographical	[NO SOURCE TO CONFIRM TITLE]	1:253,440	1881			Final Report (1889). Vol.1, page 291	"Atlas sheet 73(C) In hachures; gray under-tint; omitted on water-surfaces; small seal. Issued February 23, 1881"--Phillips, p.711	
73C	P1281-139	land classification	Land classification map of part of S.W. California	1:253,440	1881			Final Report (1889). Vol.1, page 291	"Atlas sheet 73(C). Showing land classification, base map as [P1281-138]. Issued February 23, 1881."--Phillips, p.712	<a href="https://www.davidrumsey.com/luna/servlet/s/g20e5q">https://www.davidrumsey.com/luna/servlet/s/g20e5q</a>
75	P1281-140	topographical	Parts of central and western Arizona	1:506,880	1876			Final Report (1889). Vol.1, page 294	"Atlas sheet 75. In hachures; light gray under-tint. Scale 1 inch to 8 miles. Issued March 8, 1876"--Phillips, p.712. "Vulture Mine" is located below the border in the margin near the center text block.	<a href="https://www.davidrumsey.com/luna/servlet/s/m5683v">https://www.davidrumsey.com/luna/servlet/s/m5683v</a>
75	P1281-141	geological	Parts of central & western Arizona	1:506,880	1877	W8.2:G29/2		Final Report (1889). Vol.1, page 294	"Atlas sheet 75. Showing geological formations. Base map as [P1281-140]. Issued February 15, 1877"--Phillips, p.712	<a href="https://www.davidrumsey.com/luna/servlet/s/p1g9l0">https://www.davidrumsey.com/luna/servlet/s/p1g9l0</a>
75		land classification	[NARRATIVE DESCRIPTION ONLY]					Final Report (1889). Vol.1, page 297	No land classification sheet published for sheet 75, but the description includes a narrative of the research performed.	
76	P1281-142	topographical	Parts of eastern Arizona and western New Mexico	1:506,880	1876			Final Report (1889). Vol.1, page 300	"Atlas sheet 76. In hachures; light gray under-tint; small seal. Issued March 18, 1876. (Graphic Co., N.Y.)"--Phillips, p.712	<a href="https://www.davidrumsey.com/luna/servlet/s/w5v4ks">https://www.davidrumsey.com/luna/servlet/s/w5v4ks</a>
76	P1281-143	geological	Parts of eastern Arizona & western New Mexico	1:506,880	1877	W8.2:G29/2		Final Report (1889). Vol.1, page 300	"Atlas sheet 76. Base map as [P1281-142] showing geological formations. Issued February 18, 1877"--Phillips, p.712	<a href="https://www.davidrumsey.com/luna/servlet/s/75kb8r">https://www.davidrumsey.com/luna/servlet/s/75kb8r</a>
76		topographical	Parts of eastern Arizona & western New Mexico	1:506,880	1877?			Final Report (1889). Vol.1, page 300	No issue date on map. "Expeditions of 1871-1873 & 1875" in lower right margin. "Ft. Defiance" location marked just to north of map area outside of neatline. "Graphic Co. Photo-Lith" Only other copy found is in the University of Wyoming Hebard collection	<a href="https://uwdigital.uwoy.edu/islandora/object/wyu%3A121384">https://uwdigital.uwoy.edu/islandora/object/wyu%3A121384</a>
76		land classification	[NO SOURCE TO CONFIRM TITLE]					Final Report (1889). Vol.1, page 303	No land classification sheet published for sheet 76, but the description includes a narrative of the research performed.	
77	P1281-144	topographical	Part of central New Mexico	1:506,880	1882			Final Report (1889). Vol.1, page 304	"Atlas sheet 77. In hachures; light gray cream under-tint; small seal. Issued June 30, 1882."--Phillips, p.712	<a href="https://www.davidrumsey.com/luna/servlet/s/5ge93s">https://www.davidrumsey.com/luna/servlet/s/5ge93s</a>
77	P1281-145	land classification	Land classification map of part of central New Mexico	1:506,880	1882			Final Report (1889). Vol.1, page 304	"Atlas sheet 77. Base map as [P1281-144] showing land classification. Issued June 30, 1882."--Phillips, p.712	<a href="https://www.davidrumsey.com/luna/servlet/s/jc569Q">https://www.davidrumsey.com/luna/servlet/s/jc569Q</a>
77B	P1281-146	topographical	Part of central New Mexico	1:253,440	1877			Final Report (1889). Vol.1, page 304	"Atlas sheet 77(B). In hachures; cream under-tint; small seal. Issued May 7, 1877. (Graphic Co., N.Y.)"--Phillips, p.712	<a href="https://www.davidrumsey.com/luna/servlet/s/65hykt">https://www.davidrumsey.com/luna/servlet/s/65hykt</a>
77B	P1281-147	land classification	Economic features: part of central New Mexico	1:253,440	1877	W8.1:877		Final Report (1889). Vol.1, page 304	"Atlas sheet 77(B). Base map as [P1281-146] showing land classification. Issued May 7, 1877."--Phillips, p.712	<a href="https://www.davidrumsey.com/luna/servlet/s/l5e8qm">https://www.davidrumsey.com/luna/servlet/s/l5e8qm</a>
77D	P1281-148	topographical	Central New Mexico	1:253,440	1878			Final Report (1889). Vol.1, page 304	"Atlas sheet 77(D). In hachures; light cream under-tint; small seal. Issued June 30, 1878."--Phillips, p.712	<a href="https://www.davidrumsey.com/luna/servlet/s/25iv79">https://www.davidrumsey.com/luna/servlet/s/25iv79</a>
77D	P1281-149	land classification	Land classification map of part of central New Mexico	1:253,440	1878	W8.1:878		Final Report (1889). Vol.1, page 304	"Atlas sheet 77(D). Base map as [P1281-148] showing land classification. Issued June 30, 1878."--Phillips, p.712	<a href="https://www.davidrumsey.com/luna/servlet/s/0wh0g">https://www.davidrumsey.com/luna/servlet/s/0wh0g</a>
78A	P1281-150	topographical	Part of central New Mexico	1:253,440	1879			Final Report (1889). Vol.1, page 306	"Atlas sheet 78(A). In hachures; light cream under-tint; small seal. Issued June 30, 1879"--Phillips, p.712	<a href="https://www.davidrumsey.com/luna/servlet/s/zra3u1">https://www.davidrumsey.com/luna/servlet/s/zra3u1</a>
78A	P1281-151	land classification	Land classification map of part of central New Mexico	1:253,440	1879	W8.1:879		Final Report (1889). Vol.1, page 306	"Atlas sheet 78(A). Base map as [P1281-150] showing land classification. Issued June 30, 1879"--Phillips, p.712.	<a href="https://www.davidrumsey.com/luna/servlet/s/c0vi09">https://www.davidrumsey.com/luna/servlet/s/c0vi09</a>
83	P1281-152	topographical	Parts of eastern and southeastern Arizona, western and southwestern New Mexico	1:506,880	1876	W8.1:876 (appendix JJ)		Final Report (1889). Vol.1, page 307	"Atlas sheet 83. In hachures; light gray under-tint; small broad seal. 'C. Lowell,' and 'C. Bowie' outside lower border (Graphic Co., N.Y.) Issued March 18, 1876"--Phillips, p.712. C. Lowell and C. Bowie refer to Camps. Some copies, issued with the annual report, include the numeral "7" printed on the back to identify it as sheet 7 of that year's list of published maps in the covered set.	<a href="https://www.davidrumsey.com/luna/servlet/s/29553d">https://www.davidrumsey.com/luna/servlet/s/29553d</a>
83	P1281-153	geological	Parts of eastern & southeastern Arizona, western & southwestern New Mexico	1:506,880	1877	W8.2:G29/2		Final Report (1889). Vol.1, page 307	"Atlas sheet 83. Base map as [P1281-152] showing geological formations. Issued February 15, 1877."--Phillips, p.712	<a href="https://www.davidrumsey.com/luna/servlet/s/0i6v91">https://www.davidrumsey.com/luna/servlet/s/0i6v91</a>
84	P1281-154	topographical	Part of southwestern New Mexico	1:506,880				Final Report (1889). Vol.1, page 311	"Atlas sheet 84. In hachures; small seal; cream under-tint. Portions unsurveyed. Issued June 30, 1881."--Phillips, p.712. P1281-175 describes the blueprint version which covers portions of sheet 84 (esp. 84C)	<a href="https://www.loc.gov/resource/g4050m.gct00105b?sp=49&amp;st=single">https://www.loc.gov/resource/g4050m.gct00105b?sp=49&amp;st=single</a>
84	P1281-155	land classification	Land classification map of part of southwestern New Mexico	1:506,880	1881			Final Report (1889). Vol.1, page 315	"Atlas sheet 84. Base as [P1281-154] showing land classification. Issued June 30, 1881."--Phillips, p.712	<a href="https://www.davidrumsey.com/luna/servlet/s/s0473g">https://www.davidrumsey.com/luna/servlet/s/s0473g</a>
84B	P1281-156	topographical	Part of southern New Mexico	1:253,440	1877	W8.1:878		Final Report (1889). Vol.1, page 311	"Atlas sheet 84(B). A beautiful print on drawing paper. In hachures; greenish gray under-tint; small seal; east half in outline."--Phillips, p.712. "An incomplete survey with the east half in outline. In hachures on the left with a light cream under-tint."--David Rumsey collection	<a href="https://www.davidrumsey.com/luna/servlet/s/3p0um6">https://www.davidrumsey.com/luna/servlet/s/3p0um6</a>
84B	P1281-157	topographical	Part of southern New Mexico	1:253,440	1879			Final Report (1889). Vol.1, page 311	"Atlas sheet 84(B) In hachures; cream gray under-tint; small seal. Entire sheet surveyed. Issued June 30, 1879."--Phillips, p.712 "In hachures with light cream under-tint. Entire sheet surveyed"--David Rumsey collection	<a href="https://www.davidrumsey.com/luna/servlet/s/a1y8u2">https://www.davidrumsey.com/luna/servlet/s/a1y8u2</a>
84B	P1281-158	land classification	Land classification map of part of southern New Mexico	1:253,440	1879	W 8.1:879		Final Report (1889). Vol.1, page 315	"Atlas sheet 84(B) Base as [P1281-157] showing land classification. Issued June 30, 1879."--Phillips, p.712	<a href="https://www.davidrumsey.com/luna/servlet/s/43pd31z">https://www.davidrumsey.com/luna/servlet/s/43pd31z</a>
84C	P1281-159	topographical	Part of south western New Mexico	1:253,440				Final Report (1889). Vol.1, page 311	"Atlas sheet 84(C) In hachures; cream gray under-tint; small seal. Issued October 30, 1881"--Phillips, p.712	<a href="https://www.loc.gov/resource/g4050m.gct00105b?sp=55&amp;st=single">https://www.loc.gov/resource/g4050m.gct00105b?sp=55&amp;st=single</a>
84C	P1281-160	land classification	Land classification map of part of south western New Mexico	1:253,440	1881			Final Report (1889). Vol.1, page 315	"Atlas sheet 84(C) Base map as [P1281-159] showing land classification. Issued October 30, 1881."--Phillips, p.712	<a href="https://www.davidrumsey.com/luna/servlet/s/0o5111">https://www.davidrumsey.com/luna/servlet/s/0o5111</a>

Sheet No.	Phillips #	Category	Title	Scale	Pub year	Originally issued with (SuDoc)	Serial Set	Details for numbered sheets	Notes and distinguishing characteristics	Digital Image
	P1281-161	geological	Restored outline of Lake Bonneville	1:1,077,120	1876	W8.2:G29/2			"Restored outline of Lake Bonneville. In crayon with blue tints for lakes and drainage; cream under-tint. (Scale as printed is wrong and some copies have correct scale on slip pasted over map scale). Small seal 15/16 inch height. Size 14 3/16 by 18 1/4 inches"--Phillips, p.712.	
	[P1281-161a]	geological	Restored outline of Lake Bonneville	1:1,077,120	1876				Photolithographic embossed version on glass, using Osborne's Process, used to create published maps. Phillips number contrived.	<a href="https://www.loc.gov/resource/g4050m.gct00105b/?sp=57#">https://www.loc.gov/resource/g4050m.gct00105b/?sp=57#</a>
	P1281-162	geological	Restored outline of Lake Bonneville	1:1,077,120	1876				"Same as [P1281-161] with correct scale placed over the map scale"--Phillips, p.712.	<a href="https://www.davidrumsey.com/luna/servlet/s/4kq7x1">https://www.davidrumsey.com/luna/servlet/s/4kq7x1</a>
	P1281-163	covers	[NO SOURCE TO CONFIRM TEXT]	N/A	1873				"Cover, for issue of topographic sheets. Warm neutral tint paper; large seal with encircling names. [seal is] 2 1/8 inch diameter. 1873. Size 18 by 23 inches; folded once."--Phillips, p.712	
	P1281-164	covers	[NO SOURCE TO CONFIRM TEXT]	N/A	1874				"Cover, for issue of several geological sheets. Seal 1 5/8 inches in height. 1874. Paper of warm neutral tint; folded once."--Phillips, p.713	
	P1281-165	covers	[NO SOURCE TO CONFIRM TEXT]	N/A	1874				"Cover, for geological sheets. Paper a dark neutral tint; Same style as [P1281-164]. 1874"--Phillips, p.713	
	P1281-166	covers	[NO SOURCE TO CONFIRM TEXT]	N/A	1875				"Cover, for issue of crayon sheets of the topographical atlas; seal with wreath; paper neutral tint. (Crayon) 1875"--Phillips, p.713	
	P1281-167	covers	[NO SOURCE TO CONFIRM TEXT]	N/A	1878				"Cover, for topographical sheets. Paper light neutral green tint; large seal and wreath with names. 1878"--Phillips, p.713	
	P1281-168	special sheets	Map showing detailed topography of the country traversed by the reconnaissance expedition through southern & southeastern Nevada		1869				"Department of California. Military map no. 1, 1869. P.W. Hamel, chief topographer. In hachures and tints; no seal; also an insert to Report for 1869. Size 18 7/16 by 24 5/8 inches"--Phillips, p.713	<a href="https://www.loc.gov/resource/g4050m.gct00105b/?sp=76#">https://www.loc.gov/resource/g4050m.gct00105b/?sp=76#</a>
	P1281-169	special sheets	Preliminary topographical map embracing in skeleton a portion only of the notes from surveys made in accordance with Par.II Special Orders No. 109, War Dept. March 18th, 1871...	1:1,520,640	1871				"Map to accompany report for 1871. Louis Nell, chief topographer. In hachures and outlines. Size 21 1/4 by 28 inches"--Phillips, p.713. In upper left margin: "Explorations in Nevada and Arizona"	<a href="https://www.davidrumsey.com/luna/servlet/s/84x5nt">https://www.davidrumsey.com/luna/servlet/s/84x5nt</a>
	[P1281-169a]	special sheets	Preliminary topographical map embracing in skeleton a portion only of the notes from surveys made in accordance with Par.II Special Orders No. 109, War Dept. March 18th, 1871...	1:1,520,640	1871				Photolithographic embossed version on glass, using Osborne's Process, used to create published maps. Phillips number contrived.	<a href="https://www.loc.gov/resource/g4050m.gct00105b/?sp=79#">https://www.loc.gov/resource/g4050m.gct00105b/?sp=79#</a>
	P1281-170	special sheets	Map prepared to accompany the lists of distances, camps, etc.: field season of 1872	1:1,520,640	1872				"Map to accompany "Lists of distances 1872; and for office use." In black hachures and outlines. A number of copies of this map were printed upon cloth. Size 16 3/16 by 20 15/16 inches"--Phillips, p.713	<a href="https://www.davidrumsey.com/luna/servlet/s/aioign">https://www.davidrumsey.com/luna/servlet/s/aioign</a>
	P1281-171	special sheets	Outline map of Washoe District, Nev. showing Comstock Lode, etc.	1:24,000	1879				"Outline map of Washoe District, Nevada. Small seal with wreath; cream under-tint. Size 17 1/4 by 20 5/8 inches"--Phillips, p.713.	<a href="https://www.davidrumsey.com/luna/servlet/s/9h0k2g">https://www.davidrumsey.com/luna/servlet/s/9h0k2g</a>
	[P1281-171a]	special sheets	Outline map of Washoe District, Nev. showing Comstock Lode, etc.	1:24,000	1879				Photolithographic embossed version on glass, using Osborne's Process, used to create published maps. Phillips number contrived.	South half: <a href="https://www.loc.gov/resource/g4050m.gct00105b/?sp=80#">https://www.loc.gov/resource/g4050m.gct00105b/?sp=80#</a>
	P1281-172	special sheets	Outline map of Washoe District, Nevada, showing Comstock Lode, locations of mineral claims, shafts, mills, mining towns, etc.	1:24,000	1879				"Map of Washoe District, Nevada. Brown contours and black outlines. 1879. Size 24 1/4 by 33 9/16 inches"--Phillips, p.713	<a href="https://www.davidrumsey.com/luna/servlet/s/6m3iy1">https://www.davidrumsey.com/luna/servlet/s/6m3iy1</a>
	P1281-173	special sheets	Topographical map of Washoe Mining Region (NORTH)	1:18,000	1877				"Topographical map of Washoe District, Nevada. North half of two sheet map [P1281-173 and P1281-174]. Brown contours; black outlines and drainage. Each half sheet 32 15/16 by 21 3/4 inches"--Phillips, p.713	<a href="https://www.davidrumsey.com/luna/servlet/s/59eg49">https://www.davidrumsey.com/luna/servlet/s/59eg49</a>
	P1281-174	special sheets	Topographical map of Washoe Mining Region (SOUTH)	1:18,000	1877				"South half of map described in [P1281-173]"--Phillips, p.713	<a href="https://www.davidrumsey.com/luna/servlet/s/59eg49">https://www.davidrumsey.com/luna/servlet/s/59eg49</a>
	P1281-175	special sheets	Outline map of part of south western New Mexico						"Outline map of S.W. New Mexico. For immediate use. Louis Nell, del. Size 15 5/16 by 18 1/4 inches. NOTE.--Library of Congress copy is a blue print. The office edition is printed in black."--Phillips, p.713	<a href="https://www.loc.gov/resource/g4050m.gct00105b/?sp=62#">https://www.loc.gov/resource/g4050m.gct00105b/?sp=62#</a>
	P1281-176	special sheets	Topographical map of Lake Tahoe region: Sierra Nevada, California and Nevada	1:63,360	1881?				"Lake Tahoe, California. In hachures. One large sheet 33 9/60 by 40 inches. Scale 1 inch to 1 mile."--Phillips, p.713.	<a href="https://lccn.loc.gov/03026075">https://lccn.loc.gov/03026075</a> (atlas link)
	[P1281-176a]	special sheets	Topographical map of Lake Tahoe region: Sierra Nevada, California and Nevada	1:84,480	1881				"Reduced by photo-lithography from original drawn to scale of 1 inch to 1 mile, Julius Bien, N.Y." "Scale: 3/4 inch to 1 mile, or 1:84,480". Issued June 30, 1881. Phillips number contrived.	South half: <a href="https://www.loc.gov/resource/g4050m.gct00105b/?sp=75#">https://www.loc.gov/resource/g4050m.gct00105b/?sp=75#</a> North half: <a href="https://www.loc.gov/resource/g4050m.gct00105b/?sp=73#">https://www.loc.gov/resource/g4050m.gct00105b/?sp=73#</a>
	P1281-177	special sheets	Topographical map of Lake Tahoe region: Sierra Nevada, California and Nevada	1:126,720	1881				"Lake Tahoe, California. Heliogravure reduction at Imperial Royal Geographical Institute, Vienna, 1881. From [P1281-176]. Scale 1 inch to 2 miles. Size 21 5/8 by 26 5/8 inches."--Phillips, p.713. Mentioned in Schmeckebeier (page 65)	<a href="https://www.loc.gov/resource/g4050m.gct00105b/?sp=77#">https://www.loc.gov/resource/g4050m.gct00105b/?sp=77#</a>
	[P1281-177a]	special sheets	Topographical map of Lake Tahoe region: Sierra Nevada, California and Nevada	[1:126,720]	1881?				Hand-written in lower right margin: "Proof before retouch". Hand-written in lower left margin: "177a". Margins mostly blank except for title.	<a href="https://www.loc.gov/resource/g4050m.gct00105b/?sp=78#">https://www.loc.gov/resource/g4050m.gct00105b/?sp=78#</a>

Sheet No.	Phillips #	Category	Title	Scale	Pub year	Originally issued with (SuDoc)	Serial Set	Details for numbered sheets	Notes and distinguishing characteristics	Digital Image
	P1281-178	special sheets	Topographical map of the Yosemite Valley and vicinity	1:42,240	1893				"Yosemite Valley, California. In hachures; cream under-tint. Size 20 1/2 by 13 5/8 inches. Drawn from topographical plats. by Lieut. M.M. Macomb, November 30, 1883"--Phillips, p.713	<a href="https://www.davidrumsey.com/luna/servlet/s/1qxs2x">https://www.davidrumsey.com/luna/servlet/s/1qxs2x</a>
	P1281-179	special sheets	Topographical map of the Yosemite Valley and vicinity	1:42,240	1883				"Same as [P1281-178] with deep cream under-tint. (Issued probably in 1883)"--Phillips, p.713. Title listed here based solely on title given in P1281-178.	
	[P1281-180]	special sheets	Topographical sketch showing the outward and inward route of a party while examining as to the practicability of a diversion of the Colorado River for purposes of irrigation	1:1,013,760	1875				Small seal with "War Department" and "Corps of Engineers U. S. Army" surrounded by a drawn circle. Alternate title in upper right margin: Parts of southern and southeastern California, S. E. Nevada and N.W. Arizona". "180" written in pencil on LC copy. Contains portions of grids 66, 67, 74, and 75.	<a href="https://www.loc.gov/resource/g4050m.gct00105b/?sp=64">https://www.loc.gov/resource/g4050m.gct00105b/?sp=64</a>
	[P1281-181]	special sheets	Diagram of the initial astronomical stations and measured bases and main triangulation in the Colorado section of the U.S. Geographical Surveys West of the 100th Meridian		1876				Covers parts of grids 52, 53, 60, 61, 62, 68, 69, 70, 76, 77, and 78. Photolithographic embossed version on glass, using Osborne's Process, used to create published maps. Phillips number contrived.	<a href="https://www.loc.gov/resource/g4050m.gct00105b/?sp=65#">https://www.loc.gov/resource/g4050m.gct00105b/?sp=65#</a>
	[P1281-182]	special sheets	Map showing routes of the river and land parties engaged in exploring the Grand Cañon of the Colorado		1871				"Issued Feb 4, 1878". Shows routes of exploration by group leads.	<a href="https://www.loc.gov/resource/g4050m.gct00105b/?sp=66#">https://www.loc.gov/resource/g4050m.gct00105b/?sp=66#</a>
	[P1281-182a]	special sheets	America siue India Nova						Reduced facsimile of 1609 (Jodocus Hondius)	<a href="https://www.loc.gov/resource/g4050m.gct00105b/?sp=67#">https://www.loc.gov/resource/g4050m.gct00105b/?sp=67#</a>
	[P1281-182b]	special sheets	From a map of American by F. De Wit, folio, Amsterdam (without date) about 1670						Facsimile of a map made by 17th century Dutch cartographer Frederick de Wit	<a href="https://www.loc.gov/resource/g4050m.gct00105b/?sp=67#">https://www.loc.gov/resource/g4050m.gct00105b/?sp=67#</a>
		geological	Index		1878?				This "Index" is mentioned in the 1878 Annual Report (page 97) and in a letter from the Secretary of War on "Surveys by the War Department" dated May 10, 1878 (45th Cong., 2nd sess.; Ex.Doc.88, page 6). Both appear to be a similar but not identical compilation of survey publications, and with different typesetting.	
		special sheets	Map of part of southwestern New Mexico	1:633,600					Listed in Schmeckebier (page 65)	

# Selected Bibliography

## *Archival Resources*

Archival collections described below are only a sampling of the major collections open to public research. Many other institutions hold some Wheeler Survey primary source materials.

### **Field Notebooks of the Wheeler Survey ([NC319](#))**

*University of Nevada - Reno*

“The forty-two notebooks in this collection date from 1869 to 1878. All but four were produced during the "Wheeler Survey" in Nevada from 1871 to 1878. The following list records information from the labels affixed to the notebook covers. Measurements for each notebook are provided. Only pages containing written information are numbered.”--finding aid.

### **Geographical Surveys West of the 100th Meridian ([WA MSS S-744](#))**

*Yale University*

“The collection contains letterpress copies of letters signed by George M. Wheeler and other officers of the survey, registers of correspondence sent and received, records of meteorological and topographical observations, atlas sheets, and photographs and stereoscope views of the territory covered by the expeditions.”--finding aid.

### **Records of the Office of U.S. Geographical Surveys West of the 100th Meridian ([Record Group 77.5.2](#))**

*National Archives / Records of the office of the Chief of Engineers (OCE)*

Miscellaneous records of the Wheeler Survey kept by the Chief of Engineers office, with bulk of material covering the period from 1869-1883. Includes several hundred photographs. [Record Group 57.2.4](#) (U.S. Geological Survey records) in the National Archives also holds some material.

### **Wheeler’s Geographical Survey Stereoscopic Views, 1871-1874 ([USU P0325](#))**

*Utah State University*

“This collection consists of fifty stereoscopic cards taken by photographers Timothy H. O’Sullivan and William W. Bell between 1871 and 1874... The views in this collection consist of geological formations (including some of the first images of the Grand Canyon); members of the Zuni, Mojave, Navajo, Apache, and Ute tribes; scenic views; and ancient puebloan ruins.”--collection description.

### **Wheeler Survey Records ([CU:1705](#))**

*University of Colorado*

“The Wheeler Survey includes topographical, astronomical, and meteorological field books of the survey parties in Colorado, New Mexico, Nevada, and Utah from 1869 to 1878.”--finding aid.

## Original Reports

### Final report

Report upon United States Geographical surveys west of the one hundredth meridian (Washington : GPO, 1889) - 7 volumes, 1 supplement, and 2 atlases (topographic and geologic)

[Vol.1 - Geographical Report](#)

[Vol.2 - Astronomy and Barometric Hypsometry](#)

[Vol.3 - Geology](#)

- [Supplement](#)

[Vol.4 - Paleontology](#)

[Vol.5 - Zoology](#)

[Vol.6 - Botany](#)

[Vol.7 - Archaeology](#)

Atlases (see sheet listing for links to individual sheets)

Topographic Atlas / Geological Atlas

### Annual Reports

Geographical Surveys West of the 100th Meridian (U.S.). Annual Report... (Washington, DC : Government Printing Office, 1872-1884)

NOTE: "Preliminary reports for 1869 and 1871 were issued by the U.S. Engineer department. The regular annual report for 1872 not published in separate form but issued as an appendix pp of the annual report of the U. S. chief of engineers for that year."--[Smithsonian Institute](#). Annual reports continued for several years after the survey ceased field operations to complete publication of work accomplished. Reports for 1882 and 1883 were issued as an appendix in the Chief Engineer's extensive annual report, and were at least in part written by Lt. (and later Brig. General) Montgomery M. Macomb, who played a major role in the survey's work.

<a href="#">1869</a>	<a href="#">1871</a>	<a href="#">1872</a>	<a href="#">1873</a>	<a href="#">1874</a>
<a href="#">1875</a>	<a href="#">1876</a>	<a href="#">1877</a>	<a href="#">1878</a>	<a href="#">1879</a>
<a href="#">1880</a>	<a href="#">1881</a>	<a href="#">1882</a> (pt.3, p.2821-2824)	<a href="#">1883</a> (pt.3, p.2379-2381)	<a href="#">1884</a>

## *Published Sources*

### **Monographs**

Marcou, Jules. [Mapoteca Geologica Americana: a Catalogue of Geological Maps of America \(North and South\) 1752-1881 in Geographic and Chronologic Order](#). (Washington, DC : Government Printing Office, 1884). *U.S. Geological Survey, Bulletin 7*.

NOTE: Early compilation of the newly formed U.S. Geological Survey to show progress to date on geological research. Asserts that while the status of geological mapping had improved greatly since 1860, and singled out Hayden, King, Powell, and Wheeler specifically to credit, much work remained to achieve the depth and quality of mapping found in Europe.

Phillips, Phillip Lee. [A List of Geographical Atlases in the Library of Congress: with Bibliographical Notes](#). (Washington, DC : Government Printing Office, 1909) (pages 705-713)

NOTE: A seminal guide to Wheeler and many other geographical works up to 1909.

Schmeckebier, Laurence F. [Catalogue and Index of the Publications of the Hayden, King, Powell, and Wheeler Surveys](#). (Washington, DC : Government Printing Office, 1904) *U.S. Geological Survey, Bulletin 222, Series G, Misc., 26 (pages 44-65)*

NOTE: Detailed bibliographic compilation of the annual and final reports issued by Wheeler from 1869-1889.

### **Selected Articles**

[American Naturalist \(vol.25, no.293 - May, 1891\)](#)

Review of the recently issued final 7-volume report. Includes summary of the survey and statistics.

U.S. Corps of Engineers. [Commemorating the 150th anniversary of the Wheeler Survey, 1871-1879](#)

Illustrated brief history of the Wheeler Survey written on the sesquicentennial of the establishment of the Wheeler Survey by then Chief of Engineers Humphreys in 1871.

# Guide to the Wheeler Survey maps

		Sheet was published		
	<b>X</b>	Denver Public Library holds original print		
Sheet Number	Scale	<a href="#">Topographic</a>	<a href="#">Geologic</a>	<a href="#">Land Classification</a>
32C	1:253,440			<b>X</b>
32D	1:253,440			<b>X</b>
38B	1:253,440			
38D	1:253,440			
41A	1:253,440			<b>X</b>
41B	1:253,440			<b>X</b>
47A	1:253,440			
47B	1:253,440			
47B / 47D	1:253,440	<b>X</b>		<b>X</b>
47D	1:253,440			
48C	1:253,440			
48D	1:253,440			
49	1:506,880	<b>X</b>		
50	1:506,880	<b>X</b>	<b>X</b>	
52D	1:253,440			
53C	1:253,440	<b>X</b>		
56B	1:253,440			
56D	1:253,440			
57	1:506,880	<b>X</b>		
58	1:506,880	<b>X</b>		
58/66	1:506,880		<b>X</b>	
59	1:506,880	<b>X</b>	<b>X</b>	
61A	1:253,440			



# Guide to the Wheeler Survey maps

		Sheet was published		
	<b>X</b>	Denver Public Library holds original print		
Sheet Number	Scale	<a href="#">Topographic</a>	<a href="#">Geologic</a>	<a href="#">Land Classification</a>
61B	1:253,440	<b>X</b>		<b>X</b>
61C	1:253,440	<b>X</b>		<b>X</b>
61C (part)	1:126,720	<b>X</b>		
61D	1:253,440			<b>X</b>
62A	1:253,440			<b>X</b>
62C	1:253,440			<b>X</b>
62D	1:253,440			
65	1:506,880			
65D	1:253,440	<b>X</b>		<b>X</b>
66	1:506,880	<b>X</b>		
67	1:506,880	<b>X</b>	<b>X</b>	
69	1:506,880			
69B	1:253,440			<b>X</b>
69B/D, 77B, 78A (parts)	1:253,440			
69D	1:253,440	<b>X</b>		<b>X</b>
70A	1:253,440			<b>X</b>
70C	1:253,440			<b>X</b>
73	1:506,880			
73A	1:253,440			<b>X</b>
73C	1:253,440			<b>X</b>
75	1:506,880	<b>X</b>		
76	1:506,880	<b>X</b>	<b>X</b>	

# Guide to the Wheeler Survey maps

		Sheet was published		
	<b>X</b>	Denver Public Library holds original print		
Sheet Number	Scale	<a href="#">Topographic</a>	<a href="#">Geologic</a>	<a href="#">Land Classification</a>
77	1:506,880			
77B	1:253,440		(part) see 69B/D, 77B, & 78A sheet above	<b>X</b>
77D	1:253,440			<b>X</b>
78A	1:253,440		(part) see 69B/D, 77B, & 78A sheet above	<b>X</b>
83	1:506,880	<b>X</b>	<b>X</b>	
84	1:506,880			
84B	1:253,440	<b>X</b>		
84C	1:253,440			