

A User's Guide to the Delaware Canal Landmark and Mileage Chart

Delaware Canal Landmark and Mileage Chart

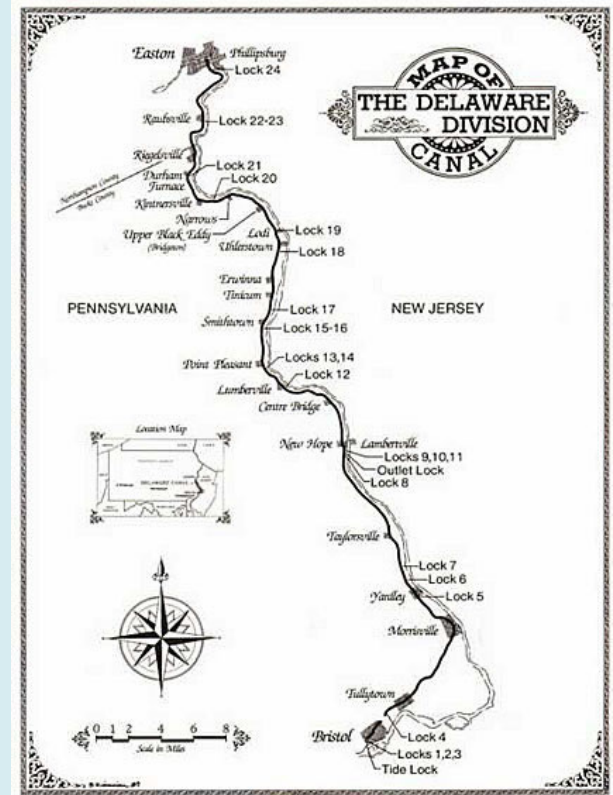
Survey Sheet #	Miles from Bristol	Parking	Picnic Area	Restroom	Landmark - Canal Structure or Feature	North Geogr. NAD 83	West Geogr. NAD 83
					Lock	NAD 83	NAD 83
					Aqueduct	dd.ddddd	dd.ddddd
					Other canal structure		
					Camelback bridge		
					MUNICIPAL BOUNDARY		
01	0.000				<i>Location of Mile 0 is not indicated on the Survey Maps!</i>	?	?
01	0.06				Delaware River bank	40.09327	-74.85690
01	0.14				Tide Lock (Riverfront Park)	40.09404	-74.85803
01	0.29				Lock 1 (Bristol Lock 1)	40.09563	-74.86014
01	0.36				Old US Route 13	40.0965	-74.8604
01	0.390				Mill St - bridge (first specified mile point on 1964 Survey Map)	40.09687	-74.86018
01	0.49				Lock 2 (Bristol Lock 2)	40.09809	-74.85925
01	0.55				Lock 3 (Bristol Lock 3)	40.09887	-74.85868
02	0.773				Beaver St	40.10131	-74.85590
02	0.962				Washington St (begin watered canal)(originally a "bump bridge")	40.10343	-74.85356
03	1.000				(adjacent to Grundy Mill site) (near RR Station at Prospect St)	40.10394	-74.85321
03	1.110				Jefferson Ave (Bristol Lagoon)(originally a "bump bridge")	40.10516	-74.85189
03	1.213				overflow from Lagoon, with foot bridge	40.10625	-74.85055
03	1.297				Railroad Overpass (Amtrak)	40.10744	-74.85020
03	1.356				Railroad Tracks (removed, traces on surrounding area)	40.10830	-74.85025
03	1.424				waste gate (Adams Hollow)	40.10930	-74.84989
03	1.47				stone culvert under (Adams Hollow Creek) (repaired 1994)	40.1099	-74.8497
03	1.47				BRISTOL BORO / BRISTOL TWP S (Twp on W, Boro on E)	40.10995	-74.84958
04	1.746				RR Tracks (removed)	40.11355	-74.84765

The History of the Chart

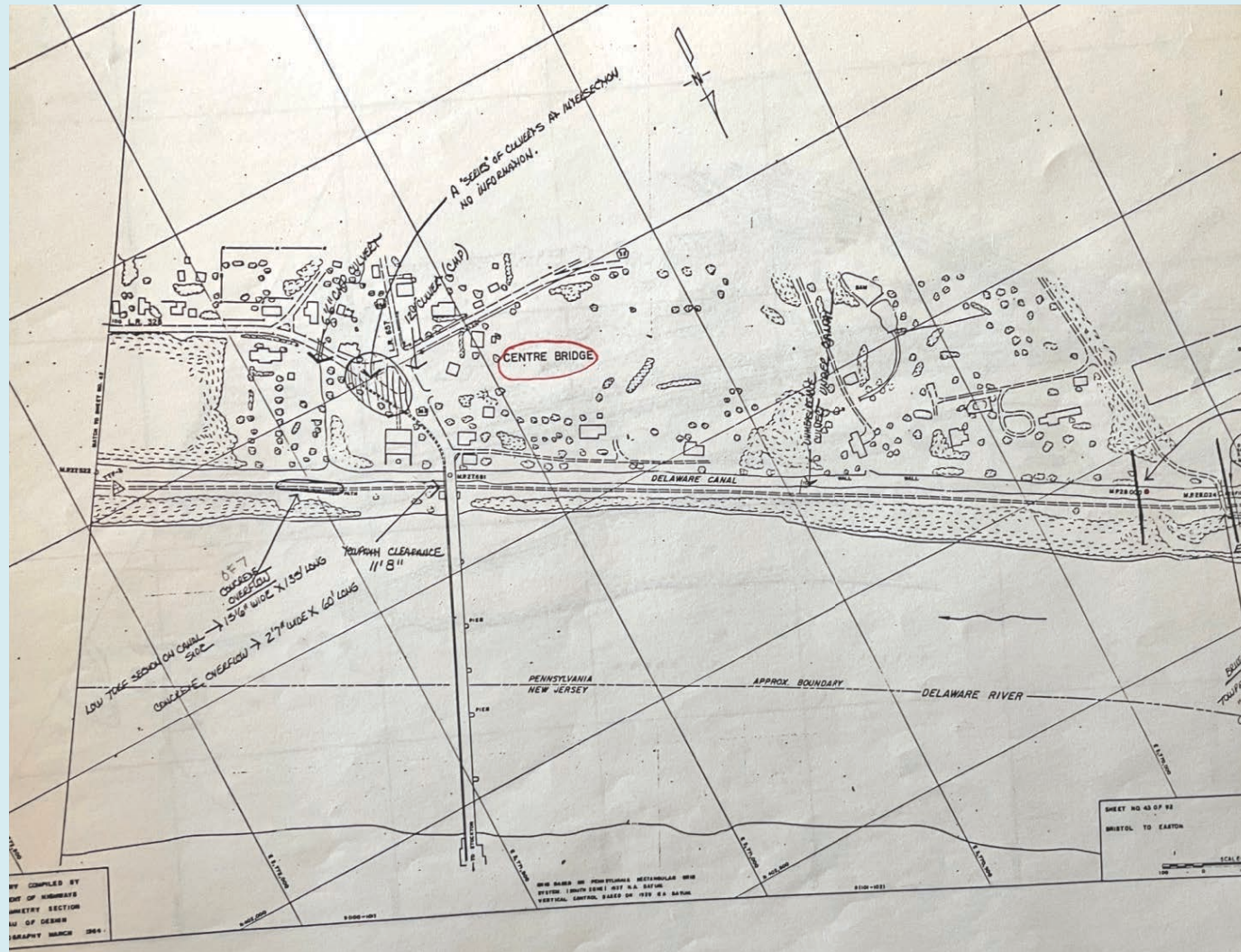
In 2002, Peter Sperry, a member of the Friends' Board of Directors, took on the task of documenting the locations of the structures, landmarks, and amenities along the 58.9-mile Canal from the Bristol Lagoon to Easton.

After four years of research, measurement, and compilation, the *Landmarks and Mileage Chart* made its debut in 2006. It is now in its sixth edition.

It has become a primary reference tool for use by visitors, planners, engineers, and State Park staff.




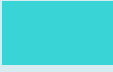
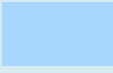
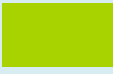

The Original Information Source – Survey Strip Maps



A series of 92 strip maps contained in a 1964 Canal survey were the primary data source for the Chart.

The initial set of latitude / longitude position data for landmarks and mile points was extracted from the strip maps after digitizing and calibrating with mapping software according to the survey grid on the maps. Supplemental feature positions were obtained either directly with a GPS unit, or using the Google Earth application.

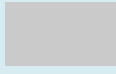


How To Use the Chart

- The chart is color coded by type of landmark.
 -  Pink = Location of a Canal Lock
 -  Aqua = Location of an Aqueduct
 -  Light Blue = Location of other Canal Structures (e.g. Waste gates)
 -  Green = Location of a Camelback Bridge
 -  Yellow = Municipal Boundary

Delaware Canal Landmark and Mileage Chart
(Delaware Canal Resources Inventory, V. 1.0, 10-12-20)

Survey	Miles from			Landmark - Canal Structure or Feature	North Geogr.	West Geogr.
Sheet #	Bristol	Parking	Picnic Area	Restroom		
				Lock	NAD 83	NAD 83
				Aqueduct	dd.ddddd	dd.ddddd
				Other canal structure		
				Camelback bridge		
				MUNICIPAL BOUNDARY		
01	0.000			<i>Location of Mile 0 is not indicated on the Survey Maps!</i>	?	?
01	0.06			Delaware River bank	40.09327	-74.85690
01	0.14			Tide Lock (Riverfront Park)	40.09404	-74.85803
01	0.29			Lock 1 (Bristol Lock 1)	40.09563	-74.86014

How To Use the Chart

- The chart is also color coded by type of amenity.
 -  Grey = Location of a Parking Area
 -  Green = Location of a Picnic Area
 -  Blue = Location of a Restroom

Delaware Canal Landmark and Mileage Chart
(Delaware Canal Resources Inventory, V. 1.0, 10-12-20)

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Here's an example.

The Black Rock Road location along the Canal in Yardley has parking, a picnic area, and restrooms.

Survey Sheet #	Miles from Bristol		Landmark - Canal Structure or Feature	North Geogr. NAD 83	West Geogr. NAD 83
		Parking	Lock	NAD 83	NAD 83
			Aqueduct	dd.ddddd	dd.ddddd
			Other canal structure		
			Camelback bridge		
			MUNICIPAL BOUNDARY		
17	10.320		Trenton Ave, leads to Calhoun St Bridge	40.21815	-74.78014
17	10.61		MORRISVILLE BORO / LOWER MAKEFIELD TWP	40.22000	-74.78503
17	10.706		E. Ferry Rd	40.22032	-74.78667
18	10.882		stone arch storm sewer (on 1964 Survey Sheet 18 but can't locate)	40.22097	-74.78993
18	11.000			40.22157	-74.79199
19	12.000		(location of "Wide Waters")		
20	12.261		Black Rock Rd - over culvert		



The chart provides other important information such as the GPS coordinates.

You can use these coordinates with a map locator such as Google Maps, separating each set of coordinates with a space. Then click “Search Maps” to view the map.

Delaware Canal Landmark and Mileage Chart 1

Survey Sheet #	Miles from Bristol	Parking	Picnic Area	Restroom	Landmark - Canal Structure or Feature	North Geogr. NAD 83	West Geogr. NAD 83
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01	0.55				Lock 3 (Bristol Lock 3)	40.09887	-74.85868
02	0.773				Beaver St	40.10131	-74.85590
02	0.962				Washington St (begin watered canal)(originally a "bump bridge")	40.10343	-74.85356
03	1.000				(adjacent to Grundy Mill site) (near RR Station at Prospect St)	40.10394	-74.85321

The Chart provides information on street locations

Delaware Canal Landmark and Mileage Chart

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And Canal Structures

With descriptions and names used both recently or in the past.

Survey Sheet #	Miles from Bristol	Parking	Plenic Area	Restroom	Landmark - Canal Structure or Feature	North Geogr. NAD 83	West Geogr. NAD 83
					Lock	dd.ddddd	dd.ddddd
					Aqueduct		
					Other canal structure		
					Camelback bridge		
					MUNICIPAL BOUNDARY		
50	32.066				waste gate and spillway	40.41533	-75.05587
50	32.349				canal bridge at Lock 13 (<i>from Mountainside parking lot</i>)	40.41778	-75.06030
50	32.363				Lock 13 (<i>Point Pleasant Lock</i>)	40.41793	-75.06048
50	32.45				(<i>Pt. Pleasant Pumping Station</i>)(<i>approx., between Lock 13-14</i>)	-	-
51	32.524				Lock 14 (<i>13-14 also White's Locks</i>)	40.41972	-75.06232
51	32.547				waste gate (<i>Hickory Creek</i>)	40.41998	-75.06264
51	32.712				vehicle bridge (<i>behind Kinsman Company in Point Pleasant</i>)	40.42179	-75.06450
51	32.750				aqueduct - Point Pleasant (<i>Tohickon Creek</i>)(221')(replaced 2001)	40.42237	-75.06473
51	32.842				Point Pleasant Ave (<i>Pratt Pony truss bridge. built 1877. Rehab.1995.</i>)	40.42361	-75.06525
51	32.91				PLUMSTEAD TWP / TINICUM TWP (<i>Tohickon Creek</i>)	40.42253	-75.06493
51	33.000					40.42582	-75.06590
52	33.386				Smithtown Bridge No. 1 (<i>Walter's Nursery</i>)(<i>"Clymers"</i>)	40.43142	-75.06689
53	33.945				Smithtown Bridge No. 2 (<i>"Sollidays"</i>)(rebuilt 2003)(<i>Access Prall's Isl</i>)	40.43944	-75.06898
53	34.000					40.44022	-75.06924
53	34.314				overflow	40.44468	-75.07073

The most utilized information on the chart is the mileage data. The mileage along the entire 58.9 miles of the canal is calculated based on the distance from Bristol. If you are planning a walk, you can easily calculate the distance between two points using simple subtraction.

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51	32.842				Point Pleasant Ave (<i>Pratt Pony truss bridge. built 1877. Rehab.1995.</i>)	40.42361	-75.06525
51	32.91				PLUMSTEAD TWP / TINICUM TWP (<i>Tohickon Creek</i>)	40.42253	-75.06493
51	33.000					40.42582	-75.06590
52	33.386				Smithtown Bridge No. 1 (<i>Walter's Nursery</i>)("Clymers")	40.43142	-75.06689
53	33.945				Smithtown Bridge No. 2 (" <i>Sollidays</i> ")(<i>rebuilt 2003</i>)(<i>Access Prall's Isl</i>)	40.43944	-75.06898
53	34.000					40.44022	-75.06924
53	34.314				overflow	40.44468	-75.07073

Here are two examples

- Starting at the Virginia Forrest Recreation Area take a short walk north or south to grab some lunch.
 - Going north to Lumberville and the Lumberville General Store is 1.94 miles (30.914 minus 28.967) or 3.9 miles round trip.
 - Going south to Dilly's Corner is 1.29 miles (28.967 minus 27.681) or 2.6 miles round-trip.

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					Lock	NAD 83	NAD 83
					Aqueduct	dd.ddddd	dd.ddddd
					Other canal structure		
					Camelback bridge		
					MUNICIPAL BOUNDARY		
43	27.681				Route 263, Centre Bridge-Stockton Bridge (<i>Dilly's Corner</i>)	40.40184	-74.98012
43	28.000					40.40421	-74.98532
43	28.024				Redfield Bridge (<i>rebuilt 2016</i>)	40.40446	-74.98586
44	28.20				<i>anchors for Roebling Co. bridge to Hendrick's Island - lost in 1955 flood</i>	40.40506	-74.98904
44	28.56				<i>Johnson's Creek</i>	40.40459	-74.99597
45	28.863				stop gate, Virginia Forrest (<i>repaired 2008</i>)	40.40591	-75.00132
45	28.880				waste gate (<i>Paxson Creek</i>)	40.40603	-75.00159
45	28.967				Virginia Forrest Recreation Area (<i>new bridge 1998</i>) (<i>river access</i>)	40.40648	-75.00311
45	29.000					40.40655	-75.00371
46	29.48				overflow, concrete	40.40543	-75.01268
47	29.912				private bridge - Delaware Quarries	40.40345	-75.02047
47	30.000					40.40300	-75.02201
47	30.010				culvert under canal (<i>Cuttalossa Creek</i>)(<i>replaced 2015</i>)	40.40294	-75.02221
47	30.146				overflow	40.40270	-75.02474
47	30.470				waste gate and overflow (<i>Lumberville Creek</i>)(<i>Coppernose Creek</i>)	40.40368	-75.03085
48	30.914				foot bridge, Lumberville to Bulls Island (<i>via Lock 12 & PA-32</i>)	40.40709	-75.03790



Planning Your Trip

Take a day and visit all of the camelback bridges

- Use the chart to locate the bridges (They are highlighted in green)
- Then locate the nearest parking area and calculate the distance to the bridge.



Example: Visit Sommer's Bridge in Yardley at mile 14.693.

- Park at I-295 Park and Ride Lot - mile 15.227
- Walk south 1/2 mile (15.227 minus 14.693 = .534 miles)

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					Aqueduct	dd.ddddd	dd.ddddd
					Other canal structure		
					Camelback bridge		
					MUNICIPAL BOUNDARY		
23	14.693				Authentic Camelback Bridge ("Sommer's")	40.25093	-74.84726
24	14.871				Lock 6 (<i>Lear's Lock</i>)	40.25308	-74.84916
24	15.000					40.25466	-74.85047
24	15.093				spillway, concrete	40.25590	-74.85130
24	15.117				Interstate 95/Scudders Falls Bridge (<i>overhead</i>)	40.25618	-74.85148
24	15.15				overflow, natural	40.25660	-74.85177
24	15.227				Woodside Rd (" <i>Park & Ride</i> " lot)(<i>Scudder Falls bridge access</i>)	40.25767	-74.85230



There is a lot to explore along the Delaware Canal



Gallow's Run Aqueduct in Kintnersville
Mile 47.162



Covered bridge in Uhlerstown
Mile 39.945



Pedestrian Bridge linking PA to NJ in Lumberville
Mile 30.914



Tohickon Aqueduct in Point Pleasant
Mile 32.750

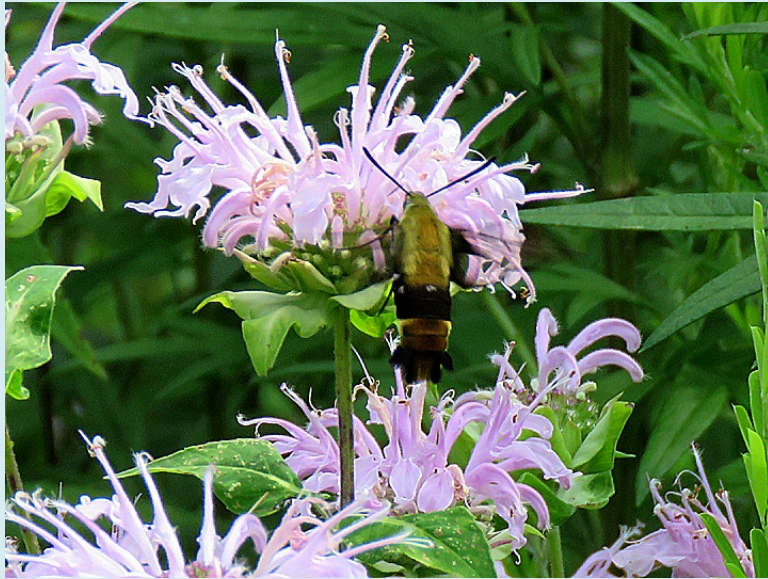


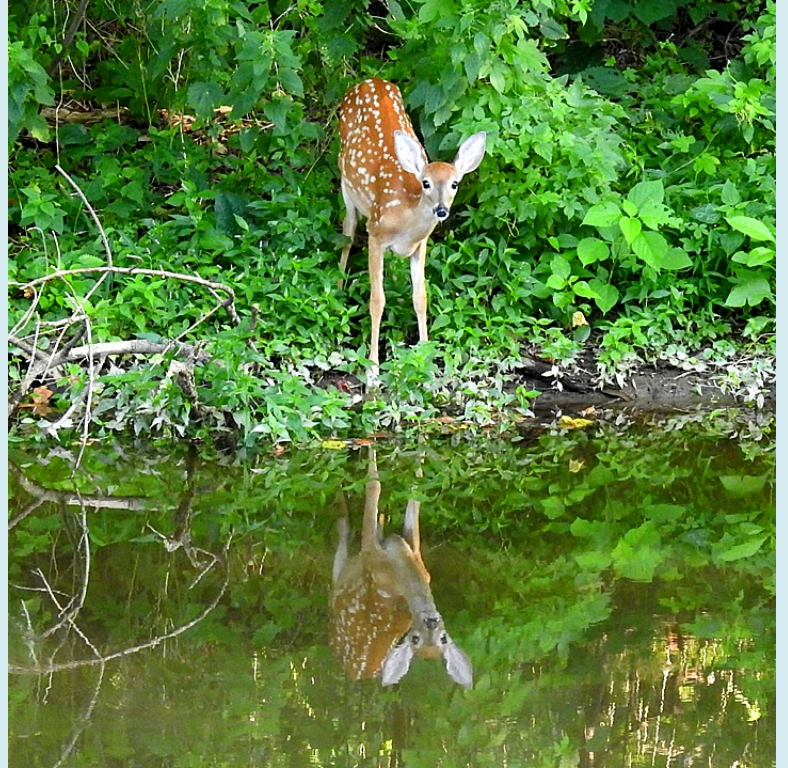
Grundy Mill on the Bristol Lagoon
Mile 1



Railroad trestle over Canal in Yardley
Mile 13.305

Flora and Fauna Abound





Delaware Canal Landmarks and Mileage Chart

The Best Tool Ever!



FRIENDS OF THE DELAWARE CANAL

<https://www.fodc.org/about-the-canal/landmarks-and-mileage/>