

Descriptions of Bathymetric Surveys

2001 – Pier 66, Pier 72, & Pier 84

In 2001, a bathymetric survey of various areas in Hudson River Park was completed. This survey focused on the areas near Pier 66, Pier 72, and Pier 84. The data surrounding Pier 66 includes the Pier 66 pile field as well as ~175 feet south of the pier, ~75 feet west of the pier, and ~100 feet north of the pier. For Pier 72, the data mainly exists to the north of the pier along the bulkhead up until approximately 33rd street. For Pier 84, the data surrounds the pier on all sides by ~75 feet and includes the Pier 84 pile field. Therefore, there is a gap in data between the area 100 feet north of Pier 66 and Pier 72. In addition, there is no data on the south or west side of Pier 72, and limited data on its north side. There is also a gap from where the Pier 72 data ends around 33rd street up until the Pier 84 data starts, ~75 feet south of that pier.

2002 – Battery Park to Pier 67

In 2002, a bathymetric survey was completed in Hudson River Park for locations ranging from Battery Park City to Pier 67, mainly focusing on the areas between the piers and closest to the bulkhead.

Pier 25, Pier 26, Pier 32, & Pier 34

The southernmost portion of this survey was done in the area between the southern edge of Pier 25 and the northern edge of Battery Park City (near Stuyvesant High School). The data between the piers extends from the bulkhead to ~100 feet west of the end of Pier 25. In addition, the bulkhead between Pier 25 and Battery Park City was studied and there are diagrams depicting the material used for construction of the bulkhead, the bulkhead's depth, and any fractures existing in the bulkhead.

The next portion of the survey encompasses the areas surrounding Pier 25 and Pier 26, including the area between the piers and within their pile fields. The data between the piers extends from the bulkhead to ~100 feet west of the end of both piers. The data north of Pier 26 continues until ~Vestry street (around 200 feet from the northern edge of the pier). After Vestry street, the data continues along the bulkhead, ~100 feet west of the bulkhead's edge. This continues until Canal street, after which the data extends along the southern edge of Pier 32.

The next portion of the survey surrounds Pier 32 by ~100 feet on all sides. It also includes data along the bulkhead between Pier 32 and Pier 34, ~75 feet outwards. There is no bathymetric data along the south side of Pier 34, and the data along the west and north side of this pier only exists right next to the pier (~10 feet outwards). There is data along the bulkhead between Pier 34 and Pier 40, and this data continues around Pier 40 by about 75 feet on all sides. For more data from this area, refer to the 2019 Tribeca bathymetric survey documents.

Pier 52 to Pier 64

The next portion of the survey includes the areas surrounding Pier 52 (now nonexistent), Pier 53, Pier 54, Pier 55 (now Little Island), Pier 56, and Pier 57. The data surrounding these 6 piers is comprehensive (especially Pier 55's), extending about 75 feet from the ends of the piers and encompassing all the area between the piers. On the south side of the Gansevoort peninsula, the data extends ~100 feet. There is also sonar imaging of wooden and concrete pilings around Gansevoort Peninsula.

The next portion of the survey encompasses the areas that surround Pier 59, Pier 60, Pier 61, Pier 62, Pier 63, and Pier 64, including the areas between the piers. The data south of Pier 59 extends ~100 feet outwards along most of the pier, as does the data on the north side of Pier 57. There is some data along the bulkhead/ within the pile field between Pier 57 and Pier 59, but because the data is on two separate maps it is unclear whether it extends all the way from Pier 57 to Pier 59 or if there is a small gap in data.

2011 – Pier 25 to Pier 92

From November 8th to December 13th 2011, a bathymetric survey was completed in Hudson River Park. This survey included the area of the park surrounding Pier 25 and Pier 26, Pier 40, as well as the area from Pier 61 to Pier 66 and from Pier 84 to Pier 92. These four maps do not include scales so it is difficult to determine how far the survey extended in the different areas.

Pier 25, Pier 26, & Pier 40

The first portion of the survey begins slightly north of the northern border of Battery Park City, at approximately Harrison Street. It goes up past Pier 26, to approximately Laight Street. The data encompasses all the area between the piers as well as some area to the west of the piers.

The next portion of the survey encompasses the area that surrounds Pier 40. The data south of Pier 40 extends about halfway to Pier 34/ the Holland Tunnel ventilator. The data to the north of Pier 40 to approximately Morton Street. The data to the west of Pier 40 extends roughly 500 feet outwards (this figure is estimated due to the lack of a scale).

Pier 61 to Pier 66

The next portion of the survey includes the area from Pier 61 to Pier 66. Most of the data lies on the west side of these piers, extending roughly 350 feet outwards (this figure is estimated due to the lack of a scale). The data between the piers does not extend to the bulkhead, except between Pier 61 and Pier 62. To get a more complete set of data for this area, refer to the Segment 5 maps made in 2002.

Pier 83 to Pier 94

The next portion of the survey includes the area from Pier 83 to Pier 94. There is data between each pier from the northern edge of Pier 83 to the southern edge of Pier 92, from the bulkhead to the end of the pier. There is also data to the west of these piers, approximately 600 feet outwards (this figure is estimated due to the lack of a scale). There is no data in the area between Pier 92 and Pier 94.

2017 – Pier 26

In 2017, a bathymetric survey was completed for Pier 26 in Hudson River Park. The data surrounds the pier on all sides, extending to the northern edge of Pier 25 on its south side, ~300 outwards on its west side, and ~250 feet on its north side.

2017 – Pier 54 to Pier 57

In 2017, a bathymetric survey was completed in Hudson River Park. This survey focuses on the area that surrounds Pier 54 and Pier 55 (now Little Island). There is a multi-beam digital terrain model and side scan sonar imaging of the project site, which extends from the northern edge of Pier 53 to the southern edge of Pier 57. The data encompasses all the area between the piers, from the bulkhead to the western edge of the piers. The area covered in this portion of the survey overlaps with the area covered in the Pier 55 Bathymetry 2002 vs. 2015 document.

2019 – Pier 25 & Pier 26

In 2019, a bathymetric survey was completed for Pier 25 and Pier 26 in Hudson River Park. There is data between the two piers, south of Pier 25, and north of Pier 26. The data on the southern side of Pier 25 extends to the northern edge of Battery Park City. The data on the northern edge of Pier 26 extends ~160 feet north. The data to the west of the piers extends ~200 feet west of the end of Pier 25. There are both color and black and white copies of the map made for this bathymetric survey; the color copy includes more of the southern portion of the survey whereas the black and white copy includes more of the northern portion of the survey.

2019 – Pier 97

In 2019, a bathymetric survey was completed for Pier 97 in Hudson River Park. The data surrounds the pier on all sides, extending ~240 feet from the south side of the pier, ~120 feet from the north side of the pier, and ~270 feet to the west of the end of the pier.

2019 – Pier 26 to Pier 34



In 2019, a bathymetric survey was completed for the area of Hudson River Park between Pier 26 and Pier 34/ the Holland Tunnel, from Hubert Street to Spring Street. The western extent of the data goes slightly beyond the end of Pier 34. There is no data within the Pier 32 pile field.