**Historical Urban Ecological (HUE) Data Set**

**Philadelphia Sanitation Infrastructure Codebook**

*Center for Population Economics, 2013*

<http://hue.uadata.org/>

**FID** **Feature ID**

Variable Type: Object ID

Description: Database ID of street segment particular to this shapefile

**Shape Shape of street segment**

Variable Type: Geometry

Description: Geometry of street segment particular to this shapefile

**Full\_Name Full street name of segment**

Variable Type: String

Description: Street name of segment as observed in CPE\_Philadelphia\_Streets\_HUE\_v1 feature class

**Source Original source of street segment**

Variable Type: String

Description: Source of street segment as observed in CPE\_Philadelphia\_Streets\_HUE\_v1 feature class

|  |  |  |
| --- | --- | --- |
| Code | Meaning | n= |
| CPE  Overlay | Original segment created by the CPE using  orthoimagery and georeferenced historical maps, see CPE\_Philadelphia\_Streets\_HUE\_v1 metadata for full biblio. | 10,581 |
| TIGER2007 | TIGER/Line files downloaded from US Census Bureau in 2007 | 29,037 |

Codes:

**Shape\_Leng Length of street segment (ft)**

Variable Type: Double

Description: Length of street segment in feet as observed in CPE\_Philadelphia\_Streets\_HUE\_v1 feature class

***Fields continued on next page***

**SewerDate Year of earliest observed sewer pipe installation**

Variable Type: Short

Description: Year of earliest known sewer pipe installation in street segment based on construction records found by the CPE. For a full list of construction record sources and year covered see the “CPE\_Philadelphia\_Sanitation\_Infrastructure\_Coverage” document

|  |  |  |
| --- | --- | --- |
| Code | Meaning | n= |
| 0 | No construction indicated in collected data | 33.943 |

Codes:

Statistics: Count: 5,675 (of 39,618 total)

Min: 1860

Max: 1912

Mean: 1897.2

Records missing values excluded

Distribution:

**S\_Pipe\_ft Diameter of sewer pipe in feet**

Variable Type: Double

Description: Diameter of sewer pipe laid in street segment during year “SewerDate,” in feet

|  |  |  |
| --- | --- | --- |
| Code | Meaning | n= |
| 0 | No construction indicated in collected data | 33,943 |
| 5555 | Pipe shape is not circular | 2,770 |
| 8888 | Information on pipe length not included in collected data | 2,185 |
| 9999 | Variable not recorded during inputting | 1 |

Codes:

Statistics: Count: 719 (of 39,618 total)

Min: 0.5

Max: 20

Mean: 4.25

Records missing values excluded

Distribution:

**S\_PipeLeng Length of sewer pipe described in orig. source (feet)**

Variable Type: Short

Description: Length of all continuous sewer pipe in feet laid in street between well-described end points during year “SewerDate” recorded in construction records found by the CPE; not necessarily covering or limited to one single street segment

|  |  |  |
| --- | --- | --- |
| Code | Meaning | n= |
| 0 | No construction indicated in collected data | 33,943 |
| 8888 | Information on pipe length not included in collected data | 50 |
| 9999 | Variable not recorded during inputting | 669 |

Codes:

Statistics: Count: 4,956 (of 39,618 total)

Min: 100

Max: 8,517

Mean: 1,201.4

Records missing values excluded

Distribution:

**WaterDate Year of earliest observed water pipe installation**

Variable Type: Short

Description: Year of earliest known water pipe installation in street segment based on construction records found by the CPE. For a full list of construction record sources and year covered see the “CPE\_Philadelphia\_Sanitation\_Infrastructure\_Coverage” document

|  |  |  |
| --- | --- | --- |
| Code | Meaning | n= |
| 0 | No construction indicated in collected data | 23,638 |

Codes:

Statistics: Count: 15,980 (of 39,618 total)

Min: 1810

Max: 1899

Mean: 1870.1

Records missing values excluded

Distribution:

**W\_Pipe\_In Diameter of water pipe in inches**

Variable Type: Short

Description: Diameter of water pipe laid in street segment during year “WaterDate,” in inches

|  |  |  |
| --- | --- | --- |
| Code | Meaning | n= |
| 0 | No construction indicated in collected data | 23,638 |
| 8888 | Information on pipe length not included in collected data | 567 |

Codes:

Statistics: Count: 15,413 (of 39,618 total)

Min: 1

Max: 60

Mean: 6.3

Records missing values excluded

Distribution:

**W\_Pipeleng Length of installed water pipe described in orig.source (feet)**

Variable Type: Long

Description: Length of all continuous water pipe in feet laid in street between well-described end points during year “WaterDate” recorded in construction records found by the CPE; not necessarily covering or limited to one single street segment

|  |  |  |
| --- | --- | --- |
| Code | Meaning | n= |
| 0 | No construction indicated in collected data | 23,638 |
| 8888 | Information on pipe length not included in collected data | 7 |
| 9999 | Variable not recorded during inputting | 13,530 |

Codes:

Statistics: Count: 2,443 (of 39,618 total)

Min: 100

Max: 12,151

Mean: 882.5

Records missing values excluded

Distribution:

**OBJECTID Object ID of street segment**

Variable Type: Long

Description: Database ID particular to CPE\_Philadelphia\_Streets\_HUE\_v1 feature class

Notes: This field can be used to join data from the Sanitation Infrastructure feature class to CPE\_Philadelphia\_Streets\_HUE\_v1