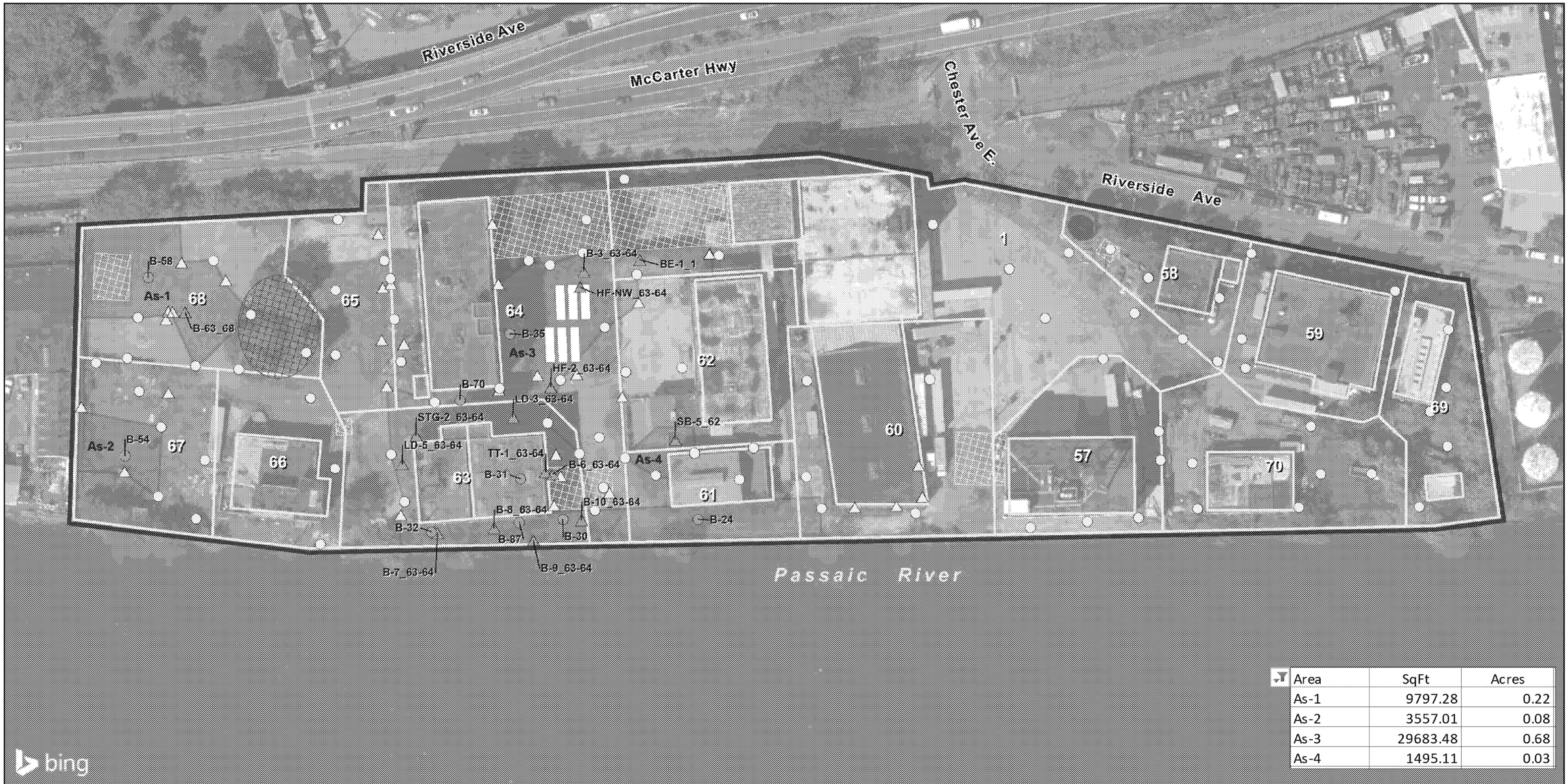


Area	SqFt	Acres
As-1	9797.28	0.22
As-2	3557.01	0.08
As-3	29683.48	0.68
As-4	1495.11	0.03

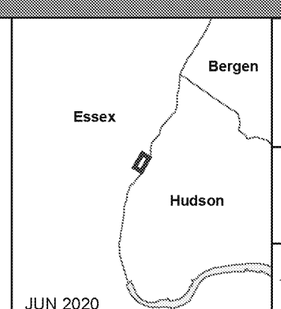
Structure
- Existing
- Demolished/Partially Demolished
- UST
- Former Soil Mound

- Study Area
- Footprint of Remedial Action
- Parcel (Newark, Oct 2017)

- RI Soil Boring
- Historical Sample
- Result Not Detected
- Detection Below ARAR/PRG
- Detection Exceeds ARAR/PRG

Sources:
2020 "ArcGIS Map Service, Bing Aerial Photography"
2020 "PPG/Woodard & Curran Riverside Industrial Park RI Report"
2017 "City of Newark Parcel GIS", http://data.ci.newark.nj.us

Notes:
1. Field Duplicate and Parent Sample Concentrations were averaged.
2. Following the soil mound removal on lot 68, surface samples at locations B-59 and B-60 were not included in this evaluation.



JUN 2020

Figure A-1
Site-Wide Soil Sampling Results for Soil Alternatives: Arsenic
Riverside Industrial Park Superfund Site
Essex County, New Jersey

Louis Berger

0 100 200 Feet

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Area	SqFt	Acres
Cu-1	5,743.13	0.13
Cu-2	4,433.10	0.10
Cu-3	2,438.08	0.06
Cu-4	2,091.23	0.05

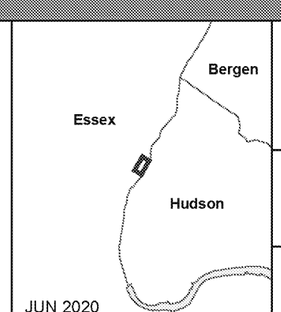
Structure
- Existing
- Demolished/Partially Demolished
- UST
- Former Soil Mound

- Study Area
- Parcel (Newark, Oct 2017)
- Footprint of Remedial Action

- RI Soil Boring
- Historical Sample
- Result Not Detected
- Detection Below ARAR/PRG
- Detection Exceeds ARAR/PRG

Sources:
2020 "ArcGIS Map Service, Bing Aerial Photography"
2020 "PPG/Woodard & Curran Riverside Industrial Park RI Report"
2017 "City of Newark Parcel GIS", http://data.ci.newark.nj.us

Notes:
1. Field Duplicate and Parent Sample Concentrations were averaged.
2. Following the soil mound removal on lot 68, surface samples at locations B-59 and B-60 were not included in this evaluation.



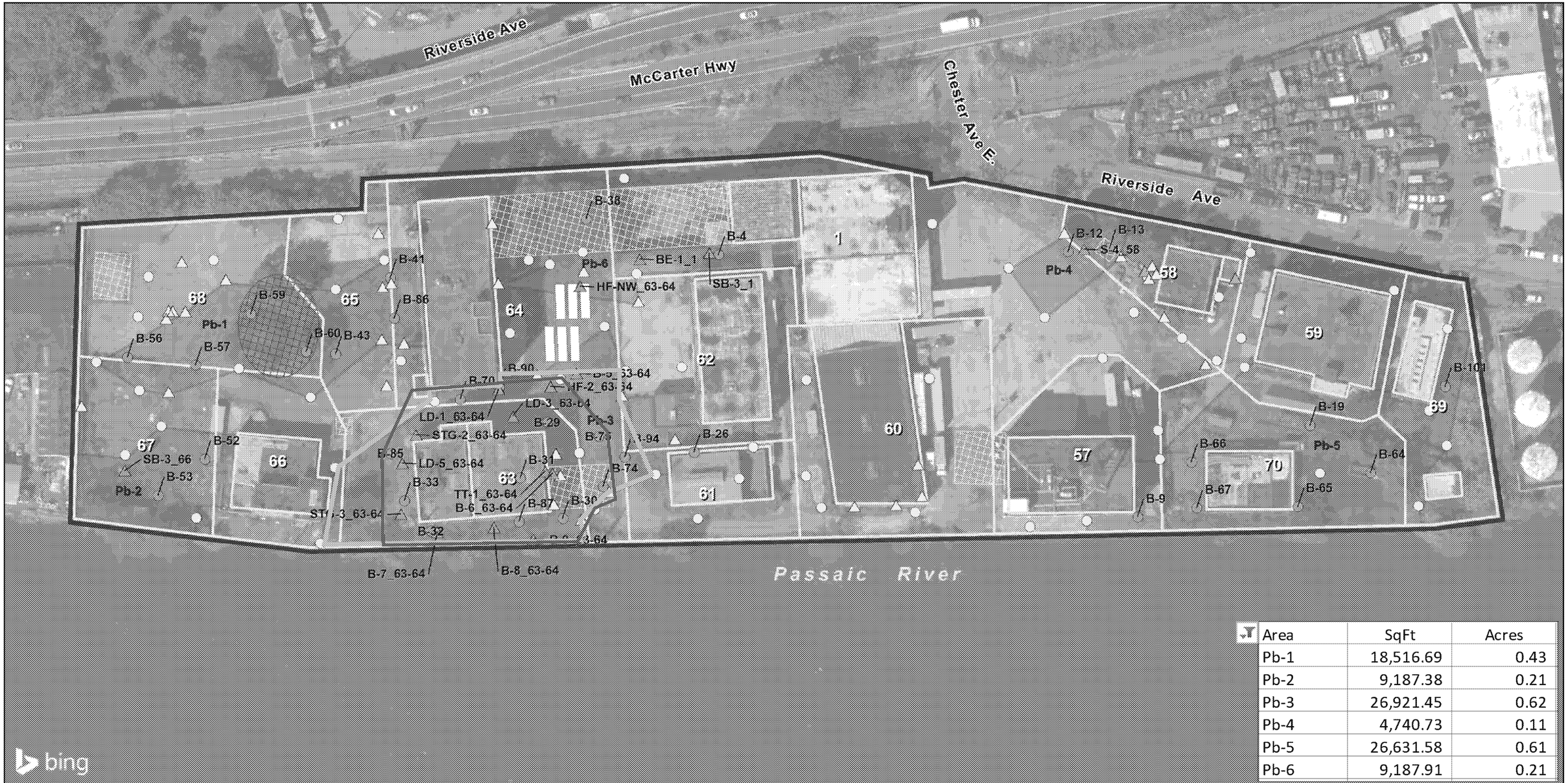
JUN 2020

Figure A-2
Site-Wide Soil Sampling Results for
Soil Alternative: Copper
Riverside Industrial Park Superfund Site
Essex County, New Jersey

Louis Berger

0 100 200 Feet

S:\Projects\passaic\MapDocuments\0024_RiversideIndustrial\FS_CopperRemoval.mxd



Area	SqFt	Acres
Pb-1	18,516.69	0.43
Pb-2	9,187.38	0.21
Pb-3	26,921.45	0.62
Pb-4	4,740.73	0.11
Pb-5	26,631.58	0.61
Pb-6	9,187.91	0.21

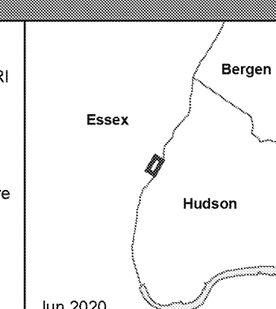
Structure
- Existing
- Demolished/Partially Demolished
- UST
- Former Soil Mound

- Study Area
- Parcel (Newark, Oct 2017)
- Footprint of Remedial Action

- RI Soil Boring
- Historical Sample
- Result Not Detected
- Detection Below ARAR/PRG
- Detection Exceeds ARAR/PRG

Sources:
2020 "ArcGIS Map Service, Bing Aerial Photography"
2020 "PPG/Woodard & Curran Riverside Industrial Park RI Report"
2017 "City of Newark Parcel GIS", http://data.ci.newark.nj.us

Notes:
1. Field Duplicate and Parent Sample Concentrations were averaged.
2. Following the soil mound removal on lot 68, surface samples at locations B-59 and B-60 were not included in this evaluation.



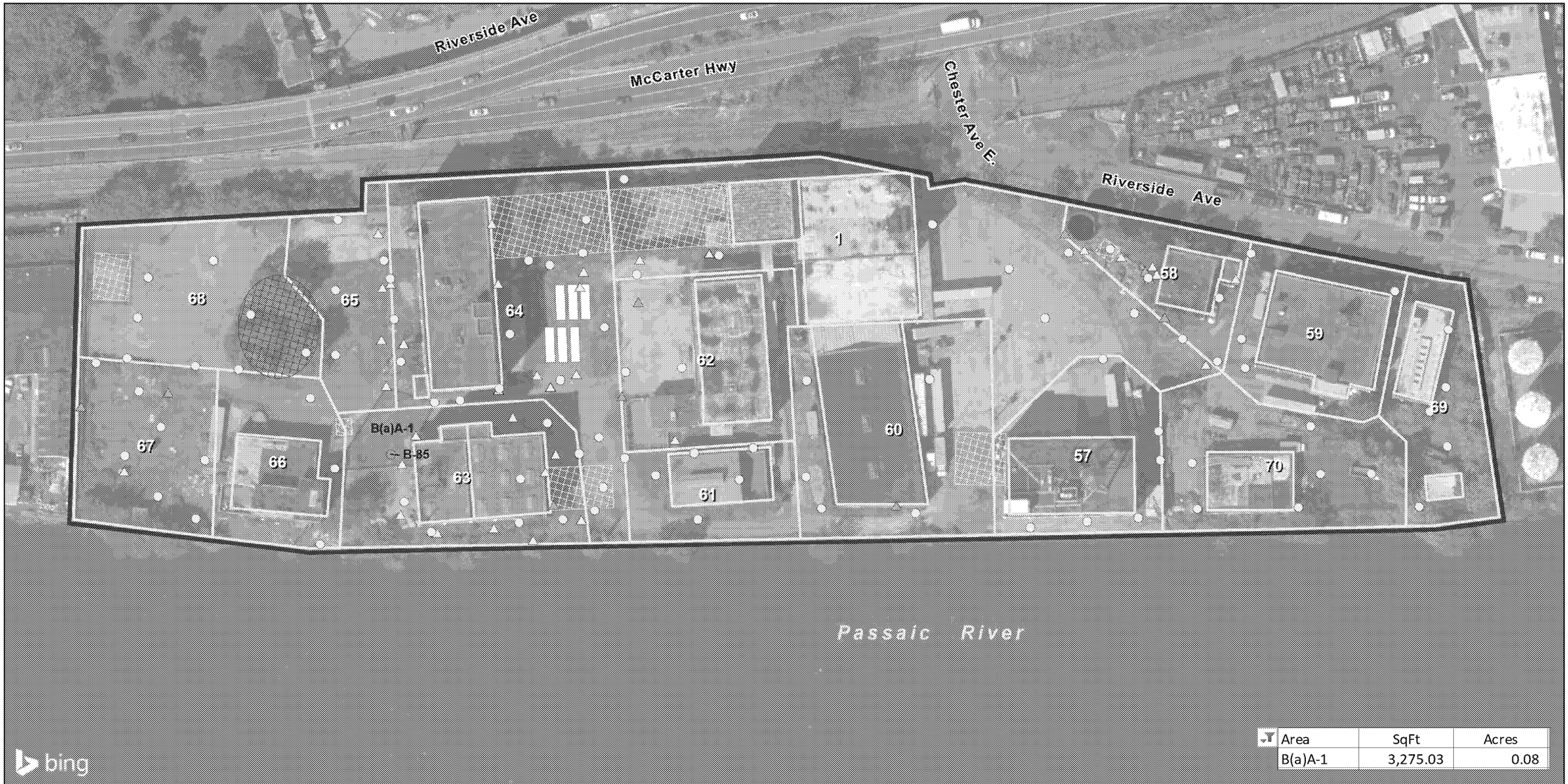
Jun 2020

Figure A-3
Site-Wide Soil Sampling Results for Soil Alternatives: Lead
Riverside Industrial Park Superfund Site
Essex County, New Jersey

Louis Berger

N
0 100 200 Feet

S:\Projects\passaic\MapDocuments\0024_RiversideIndustrial\FS_LeadRemovalArea.mxd



Area	SqFt	Acres
B(a)A-1	3,275.03	0.08

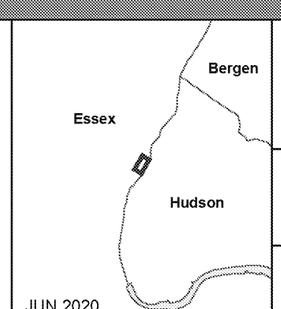
Structure
- Existing
- Demolished/Partially Demolished
- UST
- Former Soil Mound

- Study Area
- Parcel (Newark, Oct 2017)
- Footprint of Remedial Action

- RI Soil Boring
- Historical Sample
- Non-Detect
- Detection Below ARAR/PRG
- Detection Exceeds ARAR/PRG

Sources:
2020 "ArcGIS Map Service, Bing Aerial Photography"
2020 "PPG/Woodard & Curran Riverside Industrial Park RI Report"
2017 "City of Newark Parcel GIS", http://data.ci.newark.nj.us

Notes:
1. Field Duplicate and Parent Sample Concentrations were averaged.
2. Following the soil mound removal on lot 68, surface samples at locations B-59 and B-60 were not included in this evaluation.



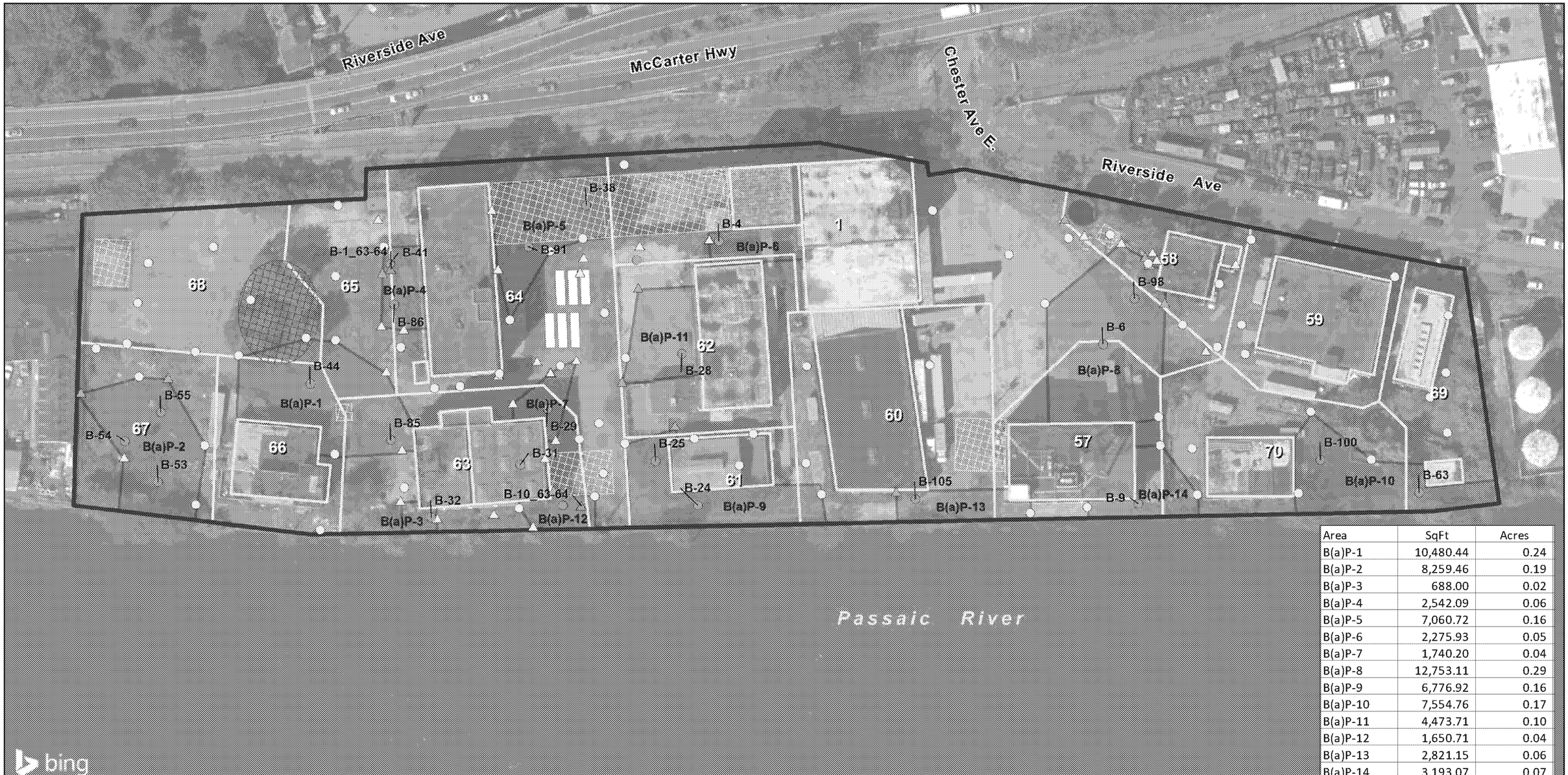
JUN 2020

Figure A-4
Site-Wide Sample Results for
Soil Alternatives: Benzo(a)anthracene
Riverside Industrial Park Superfund Site
Essex County, New Jersey

Louis Berger

N
0 100 200 Feet

S:\Projects\passaic\MapDocuments\0024_RiversideIndustrial\FS_Benzo(a)anthraceneRemoval.mxd



Area	SqFt	Acres
B(a)P-1	10,480.44	0.24
B(a)P-2	8,259.46	0.19
B(a)P-3	688.00	0.02
B(a)P-4	2,542.09	0.06
B(a)P-5	7,060.72	0.16
B(a)P-6	2,275.93	0.05
B(a)P-7	1,740.20	0.04
B(a)P-8	12,753.11	0.29
B(a)P-9	6,776.92	0.16
B(a)P-10	7,554.76	0.17
B(a)P-11	4,473.71	0.10
B(a)P-12	1,650.71	0.04
B(a)P-13	2,821.15	0.06
B(a)P-14	3,193.07	0.07

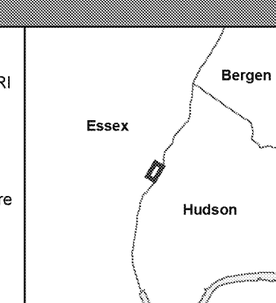
Structure
- Existing
- Demolished/Partially Demolished
- UST
- Former Soil Mound

- Study Area
- Parcel (Newark, Oct 2017)
- Footprint of Remedial Action

- RI Soil Boring
- Historical Sample
- Non-Detect
- Detection Below ARAR/PRG
- Detection Exceeds ARAR/PRG

Sources:
2020 "ArcGIS Map Service, Bing Aerial Photography"
2020 "PPG/Woodard & Curran Riverside Industrial Park RI Report"
2017 "City of Newark Parcel GIS", http://data.ci.newark.nj.us

Notes:
1. Field Duplicate and Parent Sample Concentrations were averaged.
2. Following the soil mound removal on lot 68, surface samples at locations B-59 and B-60 were not included in this evaluation.



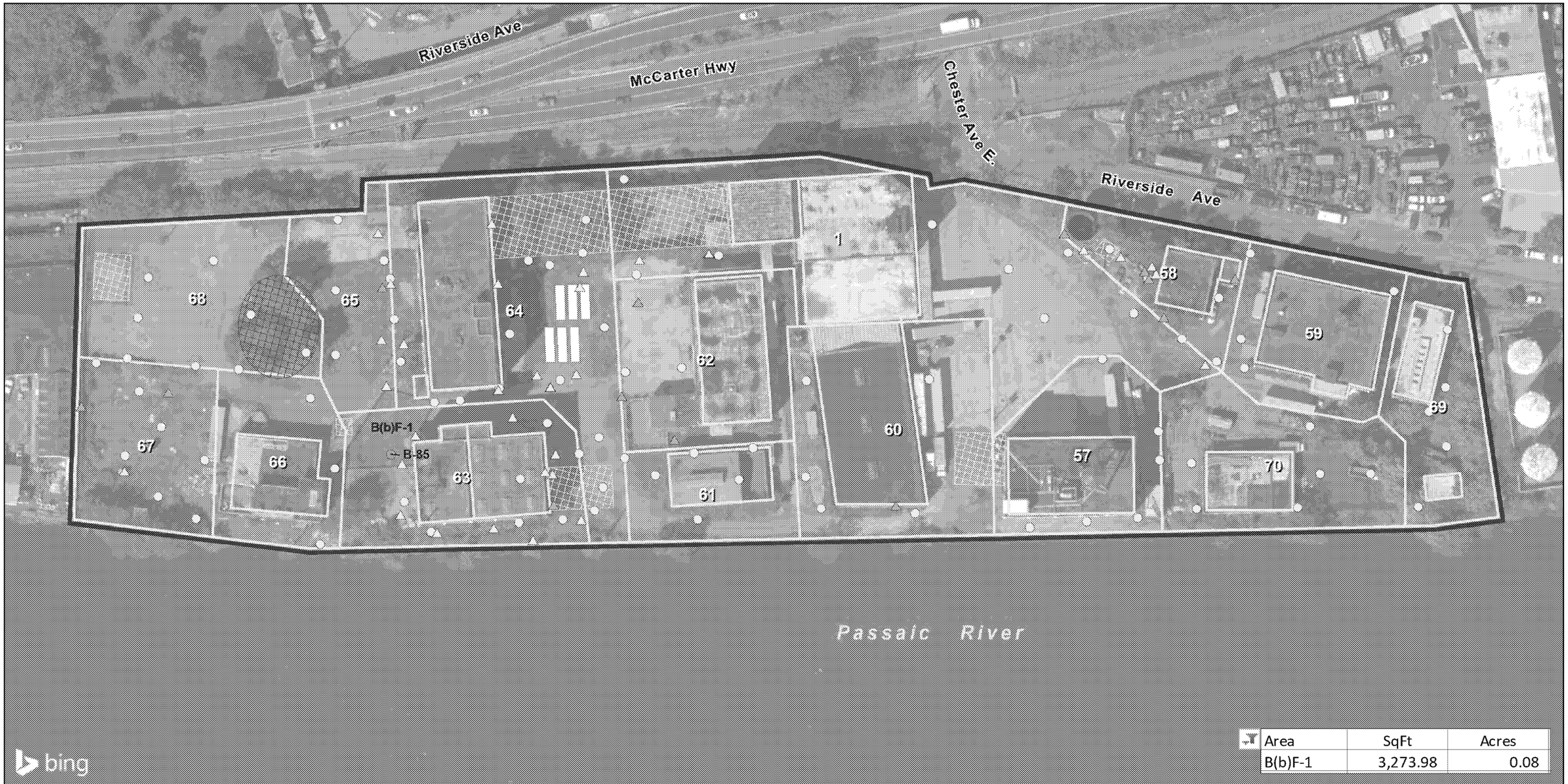
JUN 2020

Figure A-5
Site-Wide Soil Sampling Results for Soil Alternatives: Benzo(a)pyrene
Riverside Industrial Park Superfund Site
Essex County, New Jersey

Louis Berger

N
0 100 200 Feet

S:\Projects\passaic\MapDocuments\0024_RiversideIndustrial\FS_Benzo(a)pyreneRemovalArea.mxd



Area	SqFt	Acres
B(b)F-1	3,273.98	0.08

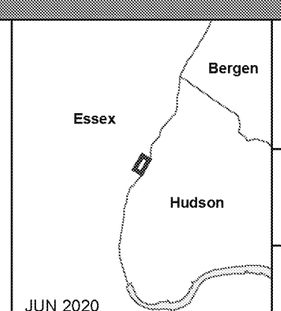
Structure
- Existing
- Demolished/Partially Demolished
- UST
- Former Soil Mound

- Study
- Parcel (Newark, Oct 2017)
- Footprint of Remedial Action

- RI Soil Boring
- Historical Sample
- Result Not Detected
- Detection Below ARAR/PRG
- Detection Exceeds ARAR/PRG

Sources:
2020 "ArcGIS Map Service, Bing Aerial Photography"
2020 "PPG/Woodard & Curran Riverside Industrial Park RI Report"
2017 "City of Newark Parcel GIS", http://data.ci.newark.nj.us

Notes:
1. Field Duplicate and Parent Sample Concentrations were averaged.
2. Following the soil mound removal on lot 68, surface samples at locations B-59 and B-60 were not included in this evaluation.



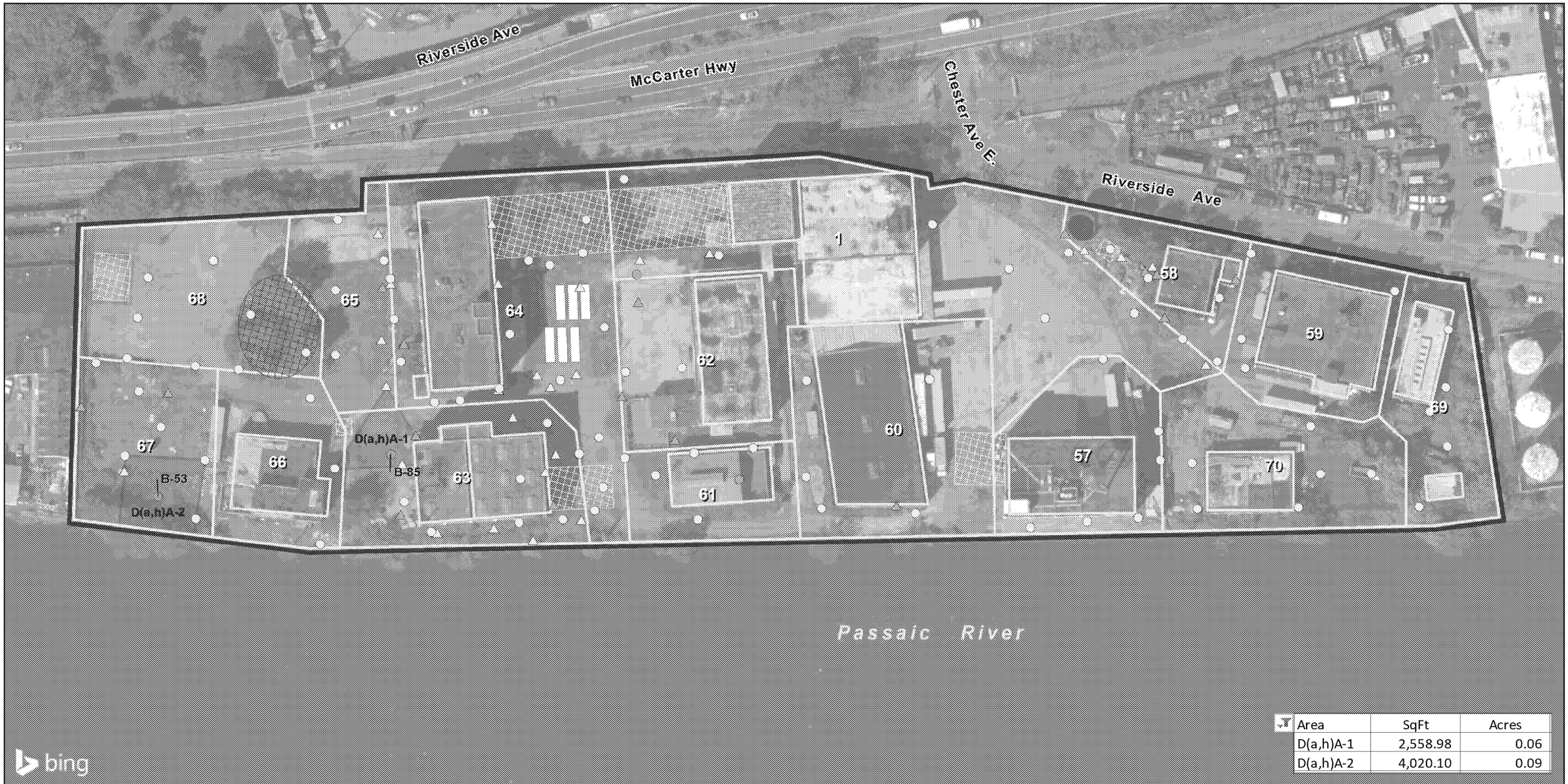
JUN 2020

Figure A-6
Site-Wide Sampling Results for Soil Alternatives: Benzo(b)fluoranthene
Riverside Industrial Park Superfund Site
Essex County, New Jersey

Louis Berger

N 0 100 200 Feet

S:\Projects\passaic\MapDocuments\0024_RiversideIndustrial\FS_Benzo(b)fluorantheneRemovalArea.mxd



Area	SqFt	Acres
D(a,h)A-1	2,558.98	0.06
D(a,h)A-2	4,020.10	0.09

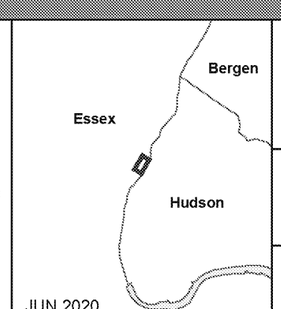
Structure
- Existing
- Demolished/Partially Demolished
- UST
- Former Soil Mound

- Study Area
- Parcel (Newark, Oct 2017)
- Footprint of Remedial Action

- RI Soil Boring
- Historical Sample
- Non-Detect
- Detection Below ARAR/PRG
- Detection Exceeds ARAR/PRG

Sources:
2020 "ArcGIS Map Service, Bing Aerial Photography"
2020 "PPG/Woodard & Curran Riverside Industrial Park RI Report"
2017 "City of Newark Parcel GIS", http://data.ci.newark.nj.us

Notes:
1. Field Duplicate and Parent Sample Concentrations were averaged.
2. Following the soil mound removal on lot 68, surface samples at locations B-59 and B-60 were not included in this evaluation.



JUN 2020

Figure A-7
Site-Wide Sample Results for
Soil Alternatives: Dibenzo(a,h)anthracene
Riverside Industrial Park Superfund Site
Essex County, New Jersey

Louis Berger

N 0 100 200 Feet

S:\Projects\passaic\MapDocuments\0024_RiversideIndustrial\FS_Dibenzo(a,h)anthraceneRemovalArea.mxd

Area	SqFt	Acres
PCB-1	3,661.67	0.08
PCB-2	3,311.66	0.08
PCB-3	7,001.54	0.16
PCB-4	10,318.49	0.24

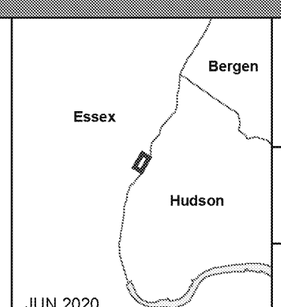
Structure
- Existing
- Demolished/Partially Demolished
- UST
- Former Soil Mound

- Study Area
- Parcel (Newark, Oct 2017)
- Footprint of Remedial Action

- RI Soil Boring
- Historical Sample
- Result Not Detected
- Detection Below ARAR/PRG
- Detection Exceeds ARAR/PRG

Sources:
2020 "ArcGIS Map Service, Bing Aerial Photography"
2020 "PPG/Woodard & Curran Riverside Industrial Park RI Report"
2017 "City of Newark Parcel GIS", http://data.ci.newark.nj.us

Notes:
1. Field Duplicate and Parent Sample Concentrations were averaged.
2. Following the soil mound removal on lot 68, surface samples at locations B-59 and B-60 were not included in this evaluation.
3. Total PCBs calculation is consistant with the BHHRA.



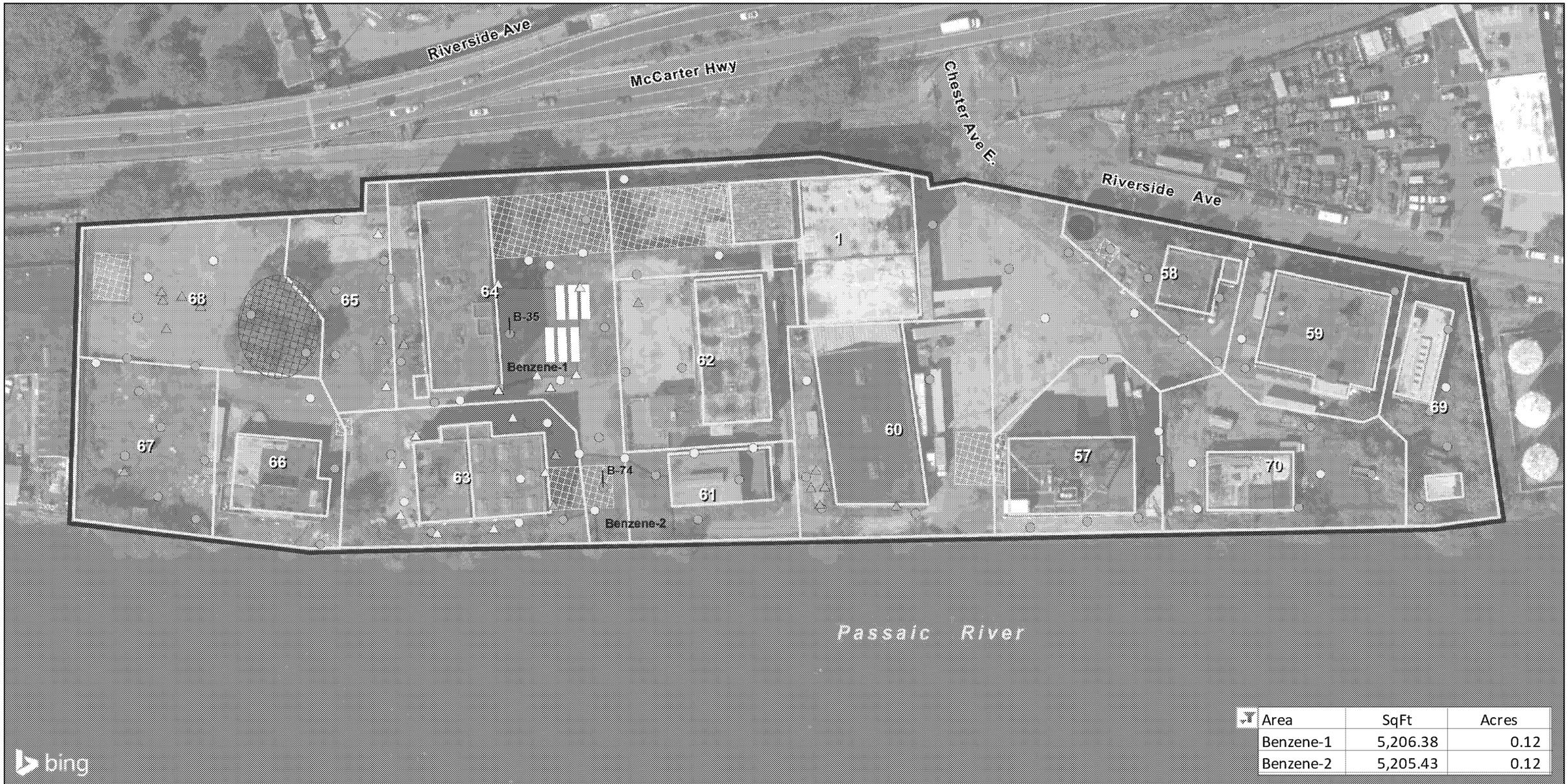
JUN 2020

Figure A-8
Site-Wide Sampling Results for Soil Alternatives: PCBs (Total)
Riverside Industrial Park Superfund Site
Essex County, New Jersey

Louis Berger

N 0 100 200 Feet

S:\Projects\passaic\MapDocuments\0024_RiversideIndustrial\FS_PCBRemovalArea.mxd



Area	SqFt	Acres
Benzene-1	5,206.38	0.12
Benzene-2	5,205.43	0.12

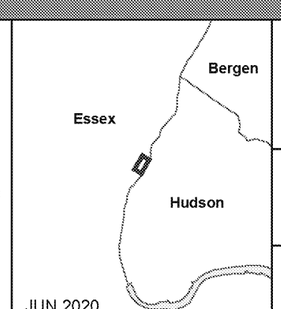
Structure
- Existing
- Demolished/Partially Demolished
- UST
- Former Soil Mound

- Study Area
- Parcel (Newark, Oct 2017)
- Footprint of Remedial Action

- RI Soil Boring
- Historical Sample
- Non-Detect
- Detection Below ARAR/PRG
- Detection Exceeds ARAR/PRG

Sources:
2020 "ArcGIS Map Service, Bing Aerial Photography"
2020 "PPG/Woodard & Curran Riverside Industrial Park RI Report"
2017 "City of Newark Parcel GIS", http://data.ci.newark.nj.us

Notes:
1. Field Duplicate and Parent Sample Concentrations were averaged.
2. Following the soil mound removal on lot 68, surface samples at locations B-59 and B-60 were not included in this evaluation.



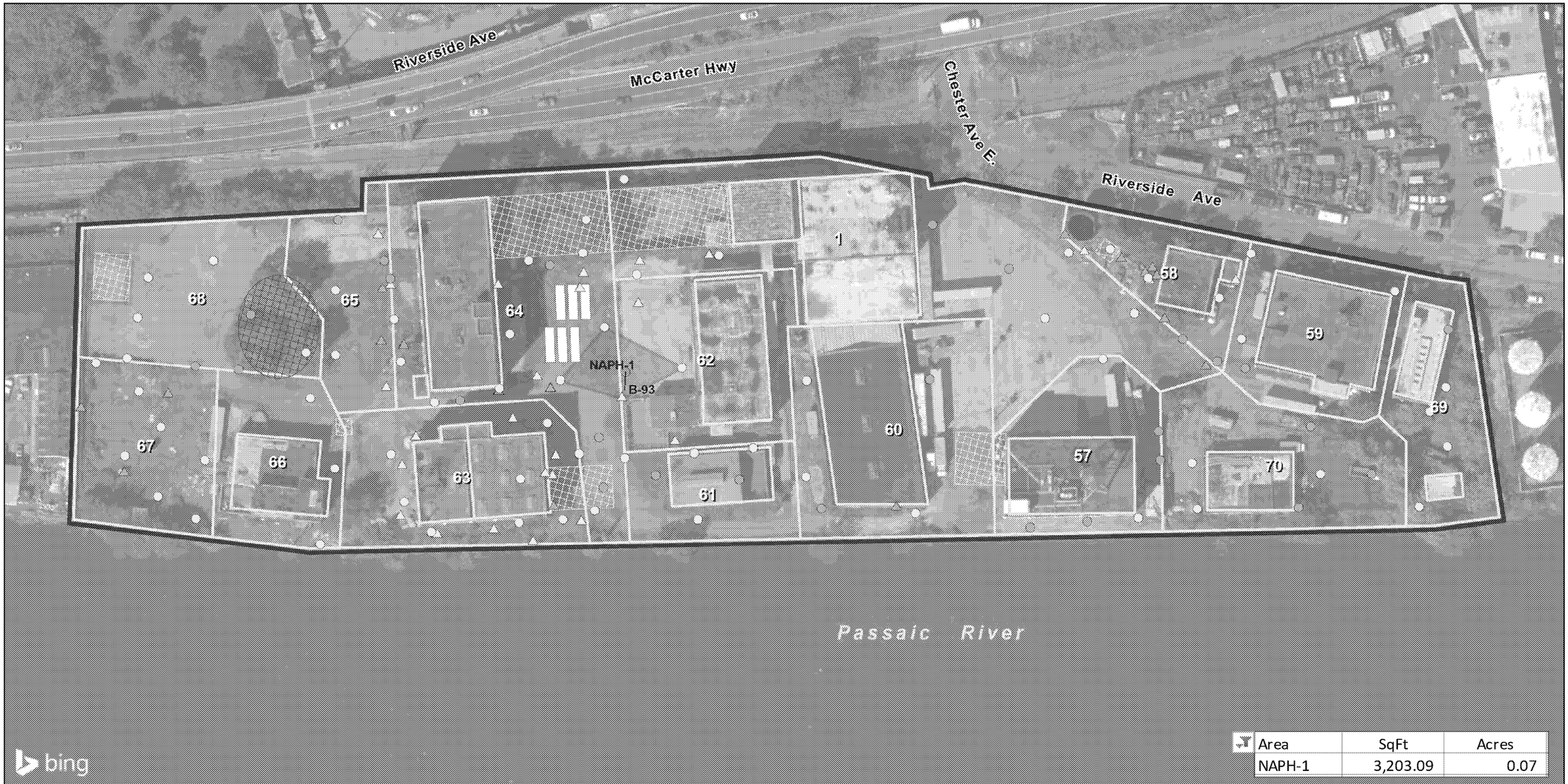
JUN 2020

Figure A-9
Site-Wide Soil Sampling Results for Soil Alternatives: Benzene
Riverside Industrial Park Superfund Site
Essex County, New Jersey

Louis Berger

0 100 200 Feet

S:\Projects\passaic\MapDocuments\0024_RiversideIndustrial\FS_BenzeneRemoval.mxd



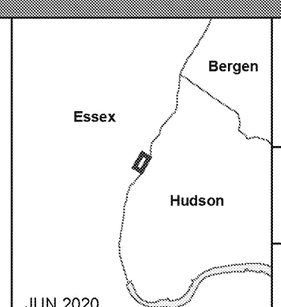
Area	SqFt	Acres
NAPH-1	3,203.09	0.07

Structure
- Existing
- Demolished/Partially Demolished
- UST
- Former Soil Mound

- Study Area
- Parcel (Newark, Oct 2017)
- Footprint of Remedial

- RI Soil Boring
- Historical Sample
- Non-Detect
- Detection Below ARAR/PRG
- Detection Exceeds ARAR/PRG

2020 "ArcGIS Map Service, Bing Aerial Photography"
2020 "PPG/Woodard & Curran Riverside Industrial Park RI Report"
2017 "City of Newark Parcel GIS", http://data.ci.newark.nj.us



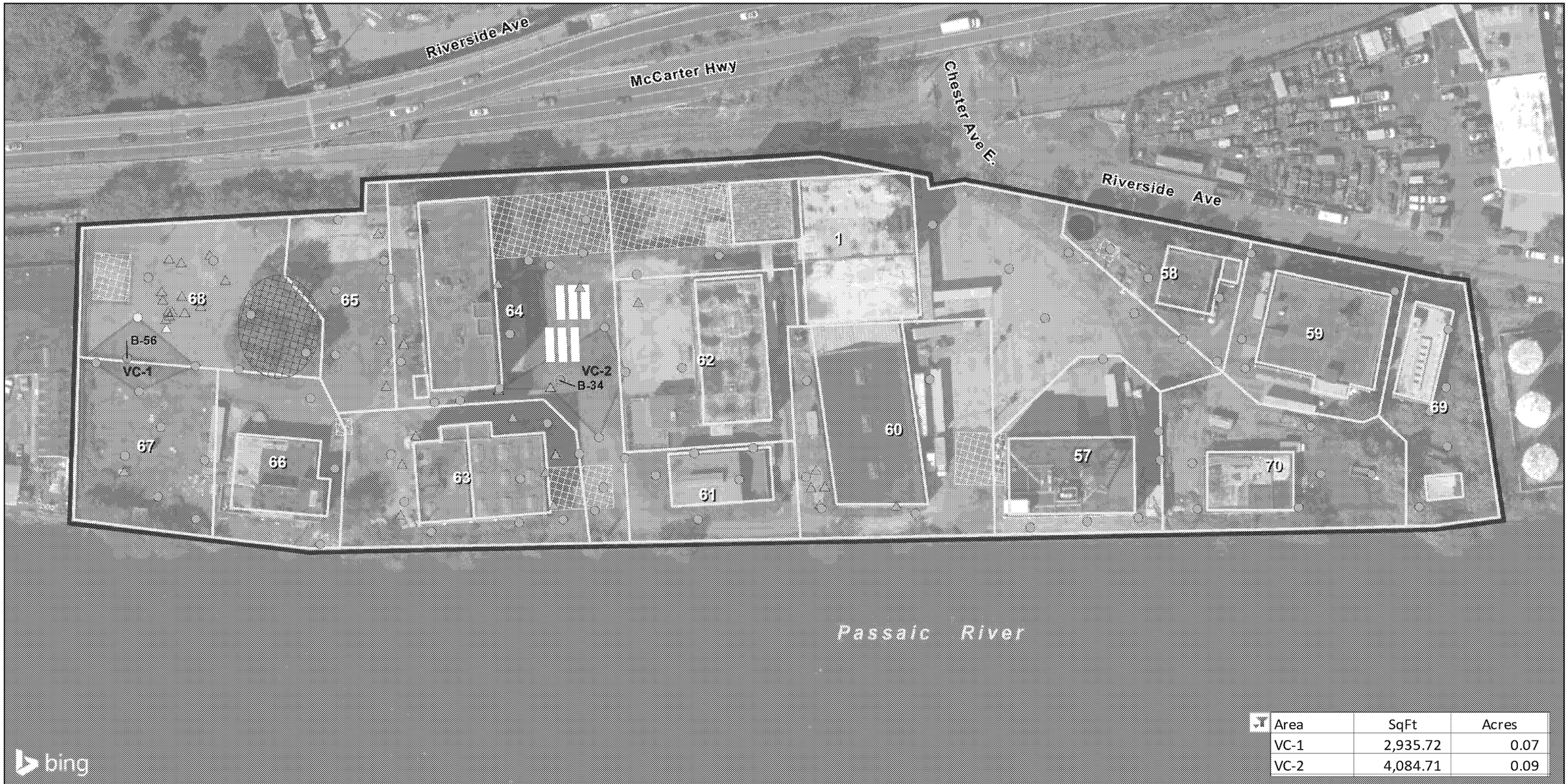
JUN 2020

Figure A-10
Site-Wide Sampling Results for Soil Alternatives: Naphthalene
Riverside Industrial Park Superfund Site
Essex County, New Jersey

Louis Berger

N 0 100 200 Feet

S:\Projects\passaic\MapDocuments\0024_RiversideIndustrial\FS_NaphthaleneSoilRemovalArea.mxd



Area	SqFt	Acres
VC-1	2,935.72	0.07
VC-2	4,084.71	0.09

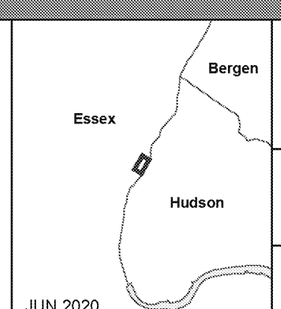
Structure
- Existing
- Demolished/Partially Demolished
- UST
- Former Soil Mound

- Study Area
- Parcel (Newark, Oct 2017)
- Footprint of Remedial Action

- Historical Sample
- RI Soil Boring
- Detection Exceeds ARAR/PRG
- Detection Below ARAR/PRG
- Non-Detect
- * RI ARAR Exceedance (nondetect reported at detection limit)

Sources:
2020 "ArcGIS Map Service, Bing Aerial Photography"
2020 "PPG/Woodard & Curran Riverside Industrial Park RI Report"
2017 "City of Newark Parcel GIS", http://data.ci.newark.nj.us

Notes:
1. Field Duplicate and Parent Sample Concentrations were averaged.
2. Following the soil mound removal on lot 68, surface samples at locations B-59 and B-60 were not included in this evaluation.



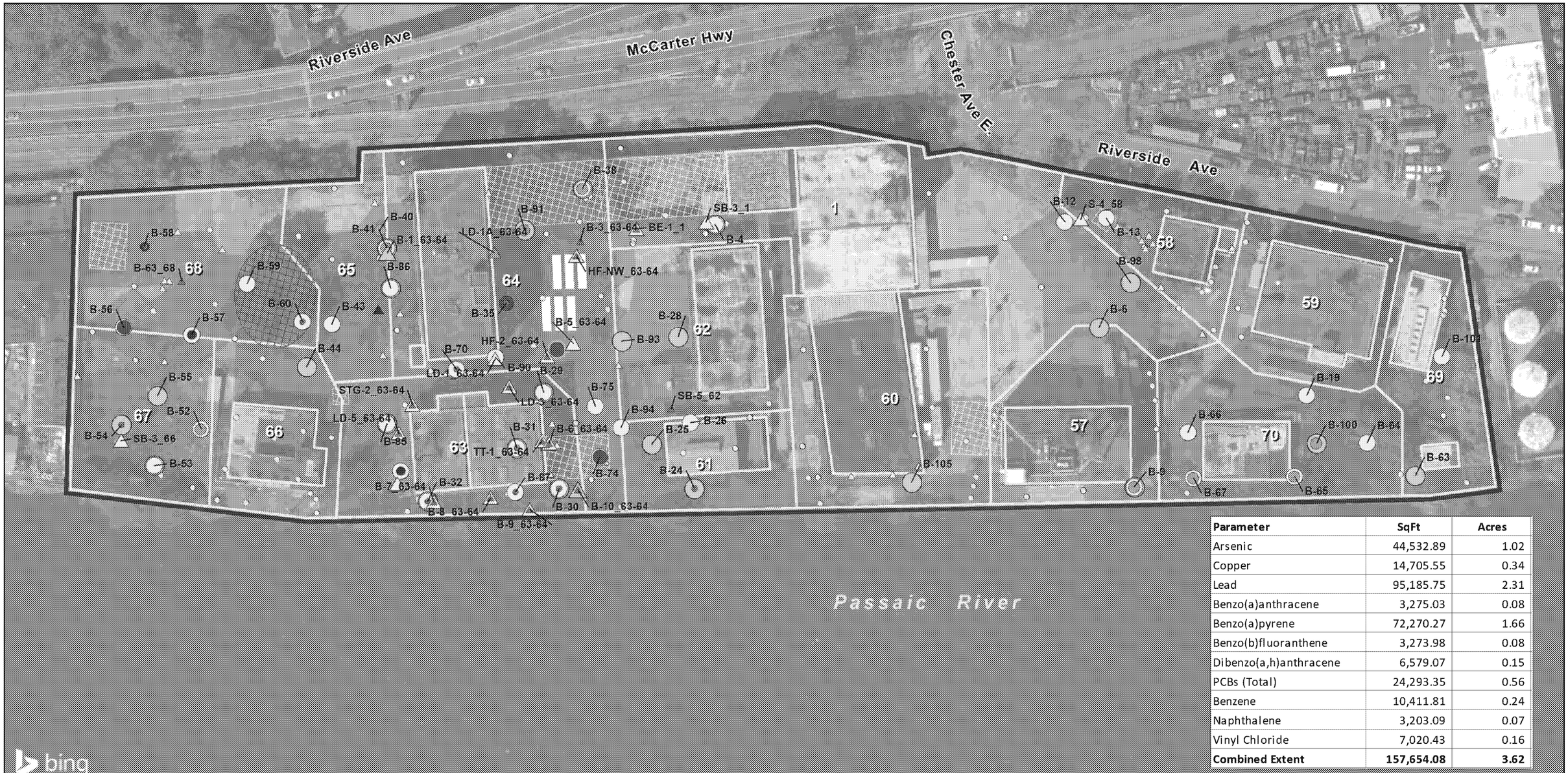
JUN 2020

Figure A-11
Site-Wide Sampling Results for Soil Alternatives: Vinyl Chloride
Riverside Industrial Park Superfund Site
Essex County, New Jersey

Louis Berger

N 0 100 200 Feet

S:\Projects\passaic\MapDocuments\0024_RiversideIndustrial\FS_VinylChlorideRemovalArea.mxd



Parameter	SqFt	Acres
Arsenic	44,532.89	1.02
Copper	14,705.55	0.34
Lead	95,185.75	2.31
Benzo(a)anthracene	3,275.03	0.08
Benzo(a)pyrene	72,270.27	1.66
Benzo(b)fluoranthene	3,273.98	0.08
Dibenzo(a,h)anthracene	6,579.07	0.15
PCBs (Total)	24,293.35	0.56
Benzene	10,411.81	0.24
Naphthalene	3,203.09	0.07
Vinyl Chloride	7,020.43	0.16
Combined Extent	**157,654.08**	**3.62**

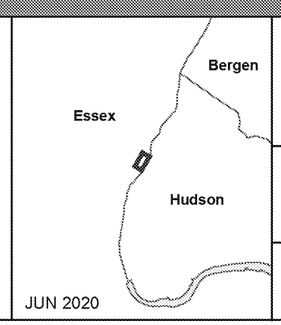
Structure
- Existing
- Demolished/Partially Demolished
- UST
- Former Soil Mound

- Study
- Parcel (Newark, Oct 2017)
- Footprint of Remedial Action
- Historical Sample
- RI Soil Boring
- * RI ARAR/PRG Exceedance (nondetect reported at quantitation limit)

Boring Location with ARAR/PRG Soil Exceedance *
- Arsenic
- Copper
- PCBs (Total)
- Lead
- PAH
- VOCs

Sources:
2020 "ArcGIS Map Service, Bing Aerial Photography"
2020 "PPG/Woodard & Curran Riverside Industrial Park RI Report"
2017 "City of Newark Parcel GIS", http://data.ci.newark.nj.us

Notes:
1. Field Duplicate and Parent Sample Concentrations were averaged.
2. Following the soil mound removal on lot 68, surface samples at locations B-59 and B-60 were not included in this evaluation.
3. Total PCBs calculation is consistent with the BHHRA.



JUN 2020

Figure A-12
Site-Wide Sampling Results for Soil Alternatives: Combined Parameters
Riverside Industrial Park Superfund Site
Essex County, New Jersey

Louis Berger

N 0 100 200 Feet

S:\Projects\passaic\MapDocuments\0024_RiversideIndustrial\FS_SoilCompositeRemovalArea.mxd