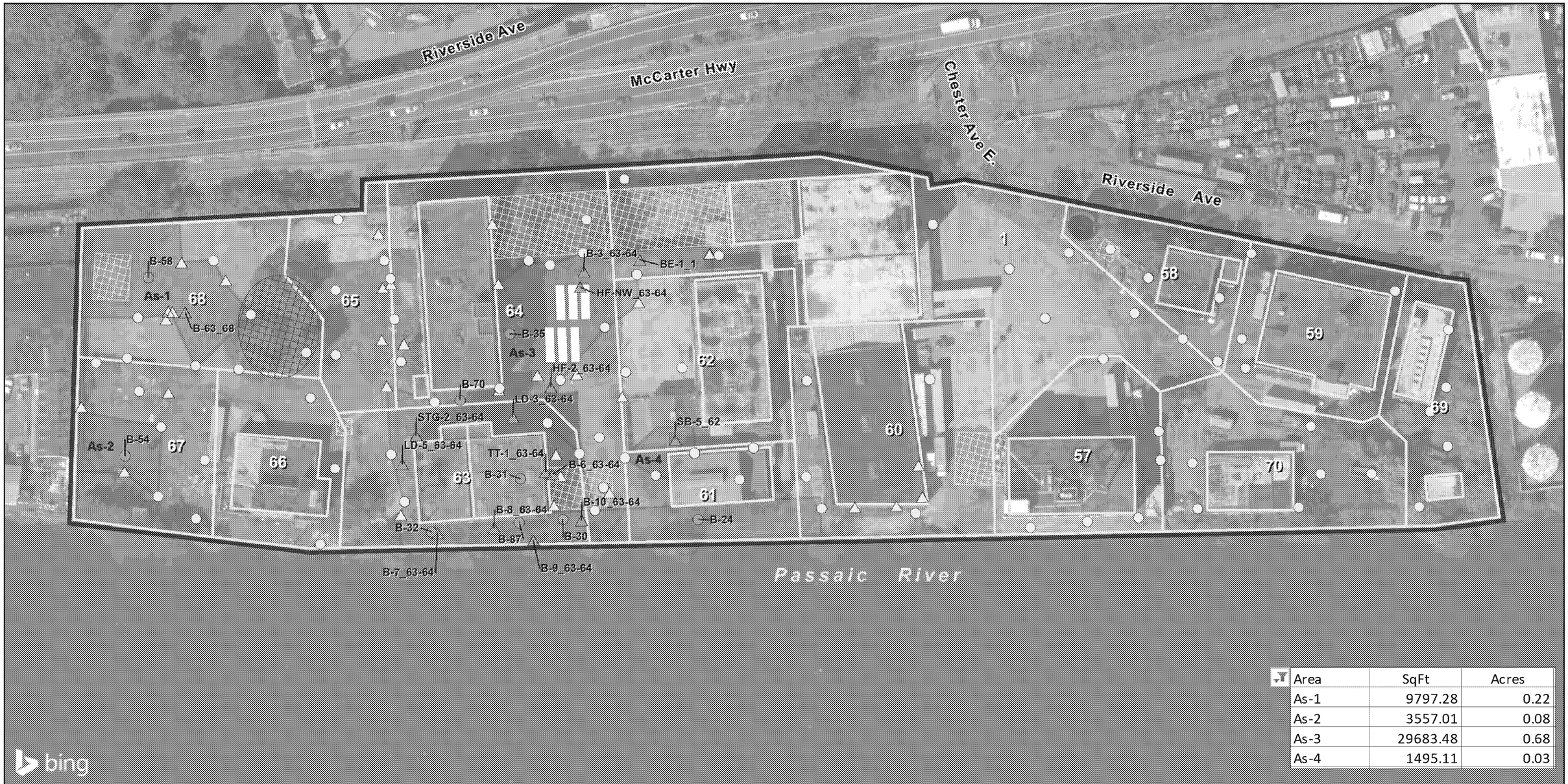


Area	SqFt	Acres
As-1	9797.28	0.22
As-2	3557.01	0.08
As-3	29683.48	0.68
As-4	1495.11	0.03

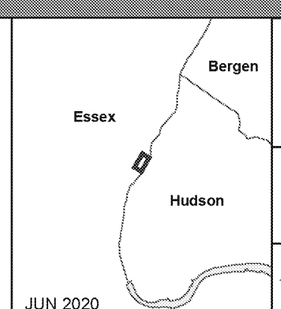
Structure
- Existing
- Demolished/Partially Demolished
- UST
- Former Soil Mound

- 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.



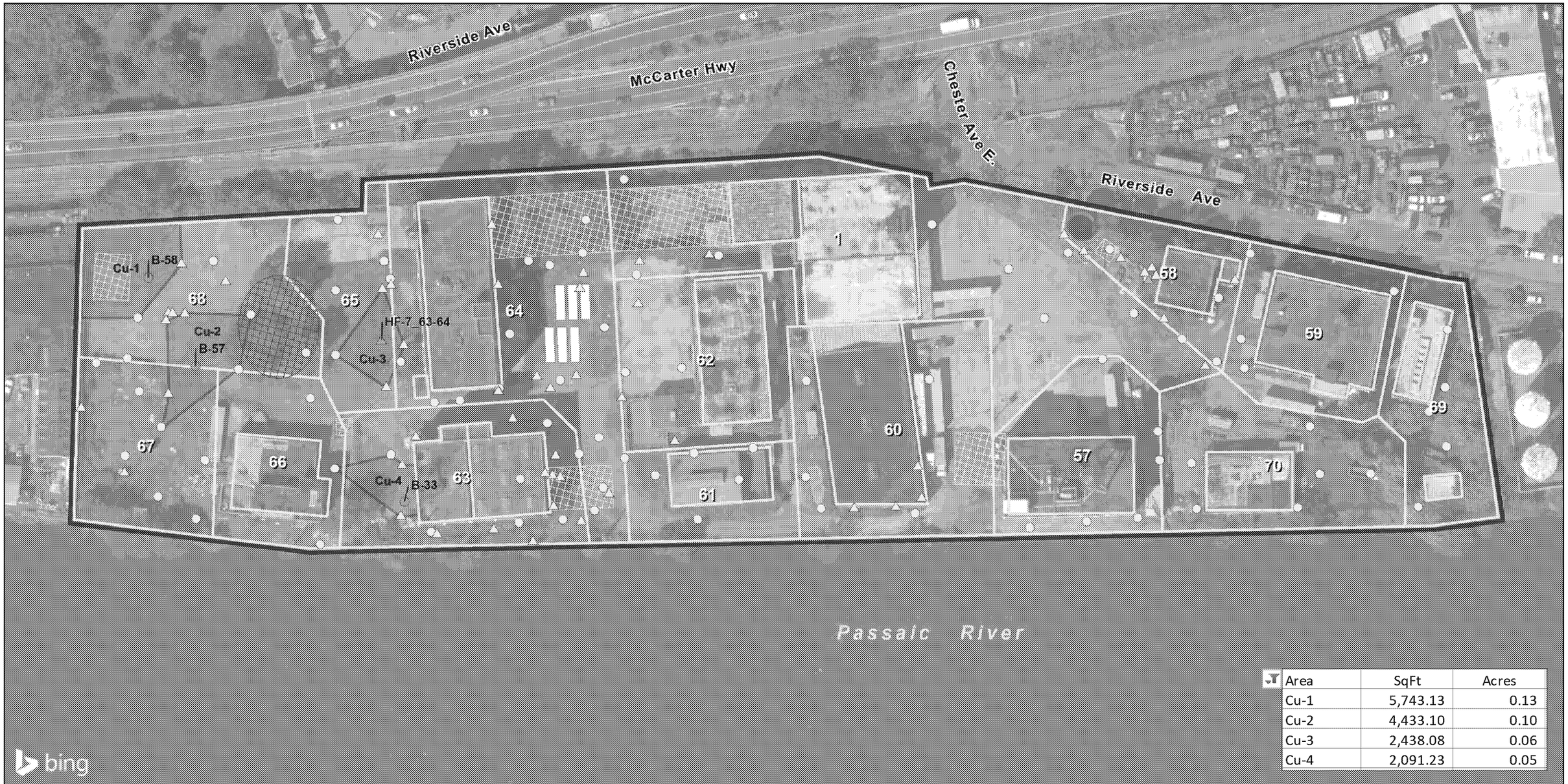
JUN 2020

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

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



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

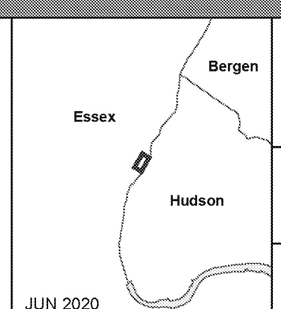
Structure
- Existing
- Demolished/Partially Demolished
- UST
- Former Soil Mound

- 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.



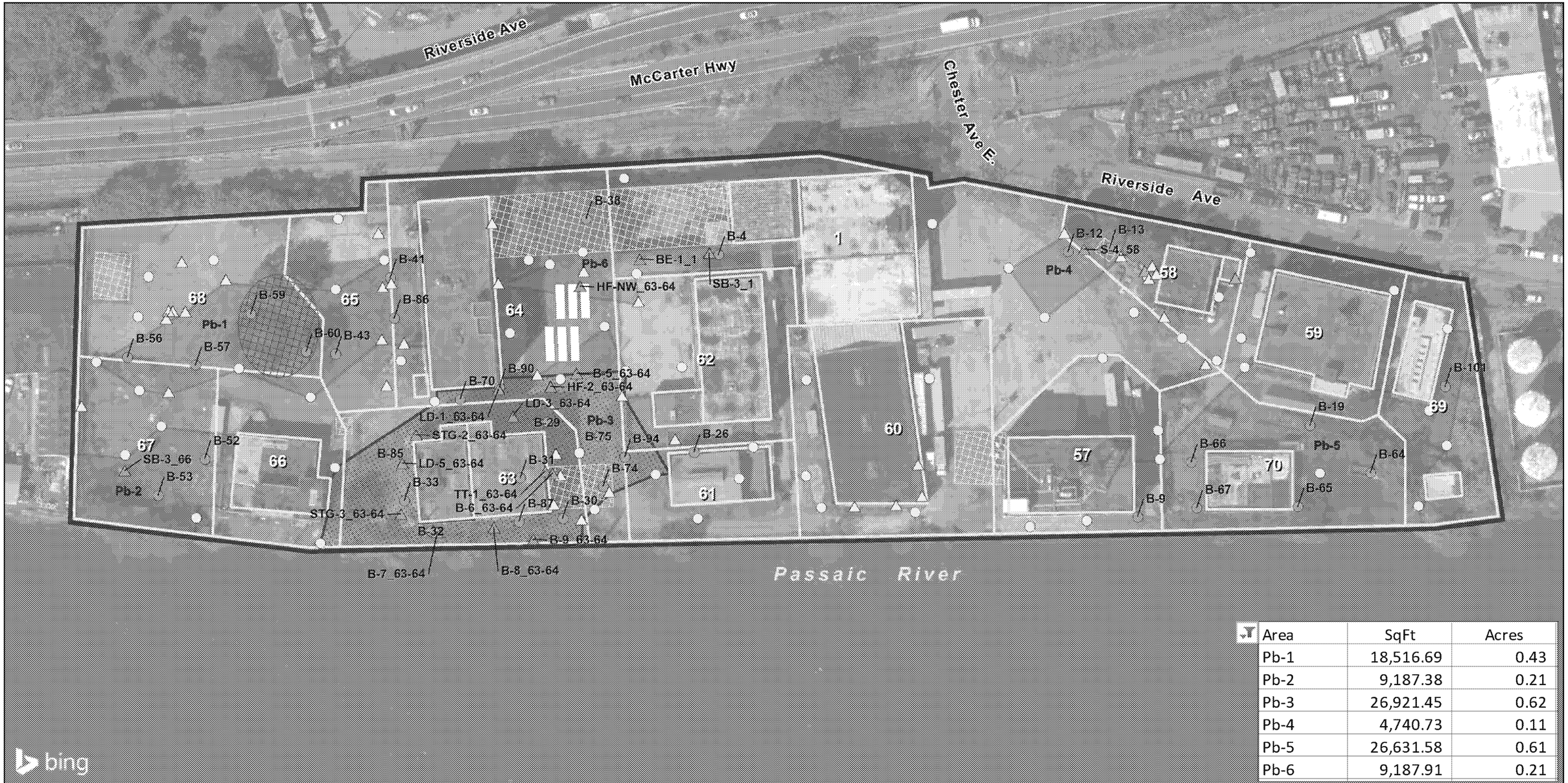
JUN 2020

Figure A-2
Site-Wide Soil Sampling Results for Soil Alternatives: 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

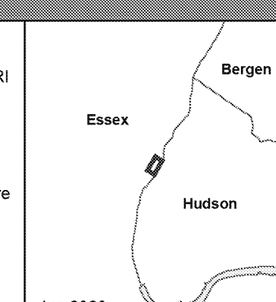
Structure
- Existing
- Demolished/Partially Demolished
- UST
- Former Soil Mound

- Study Area
- Parcel (Newark, Oct 2017)
- Footprint of Remedial Action
- Footprint of Soil Alternative 4 for Lead Removal

- 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.



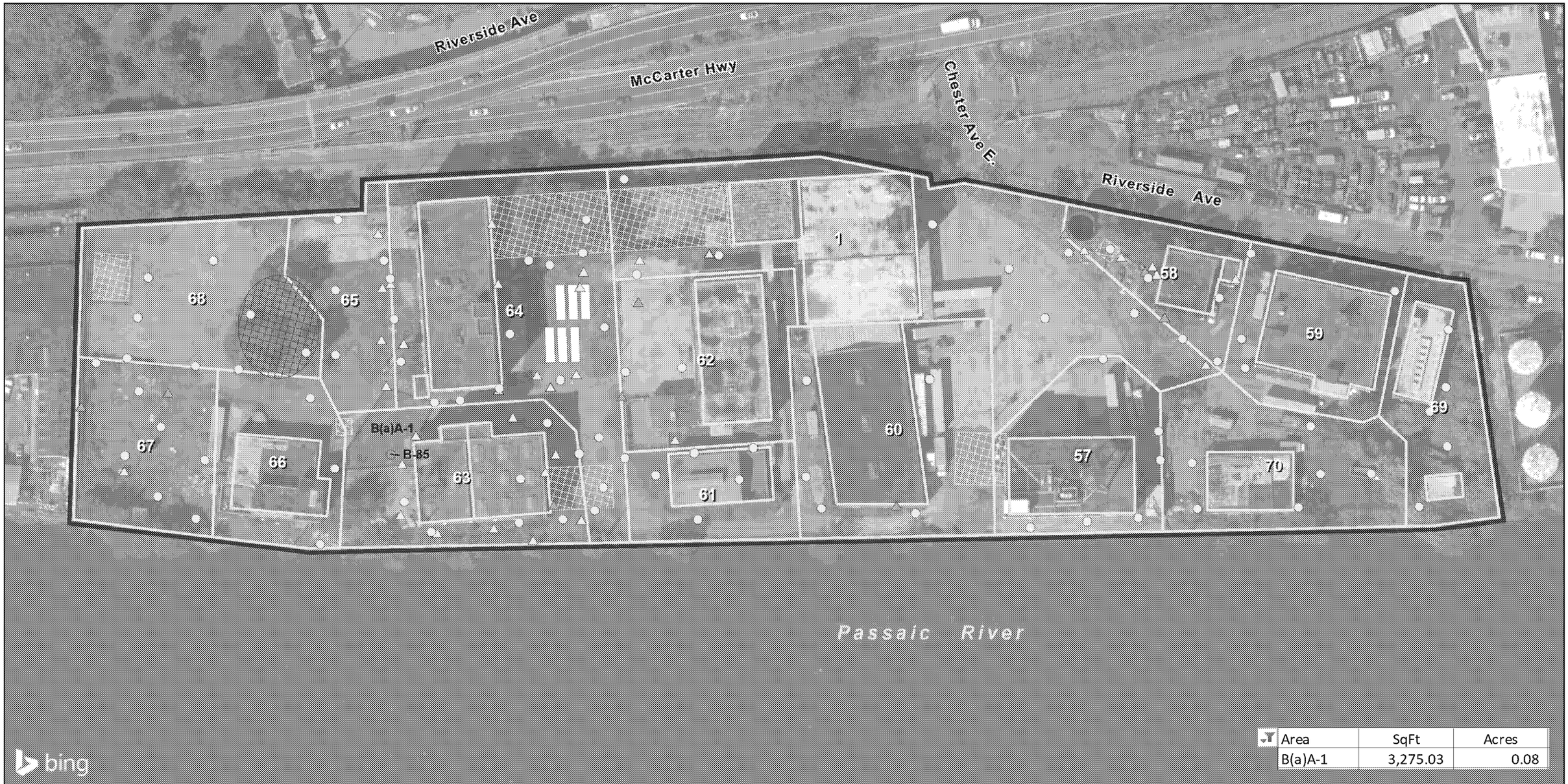
Jun 2020

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

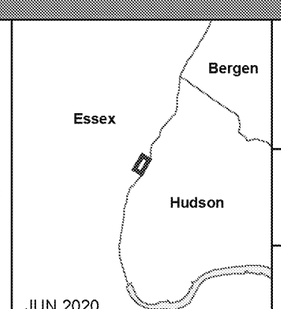
Structure
- Existing
- Demolished/Partially Demolished
- UST
- Former Soil Mound

- 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

Parameter	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	1,048.54	0.02
B(a)P-13	2,821.15	0.06
B(a)P-14	3,193.07	0.07

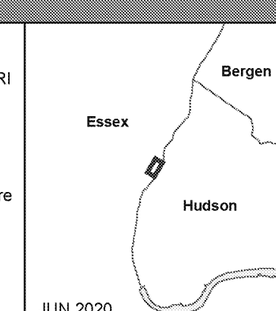
Structure
- Existing
- Demolished/Partially Demolished
- UST
- Former Soil Mound

- 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.



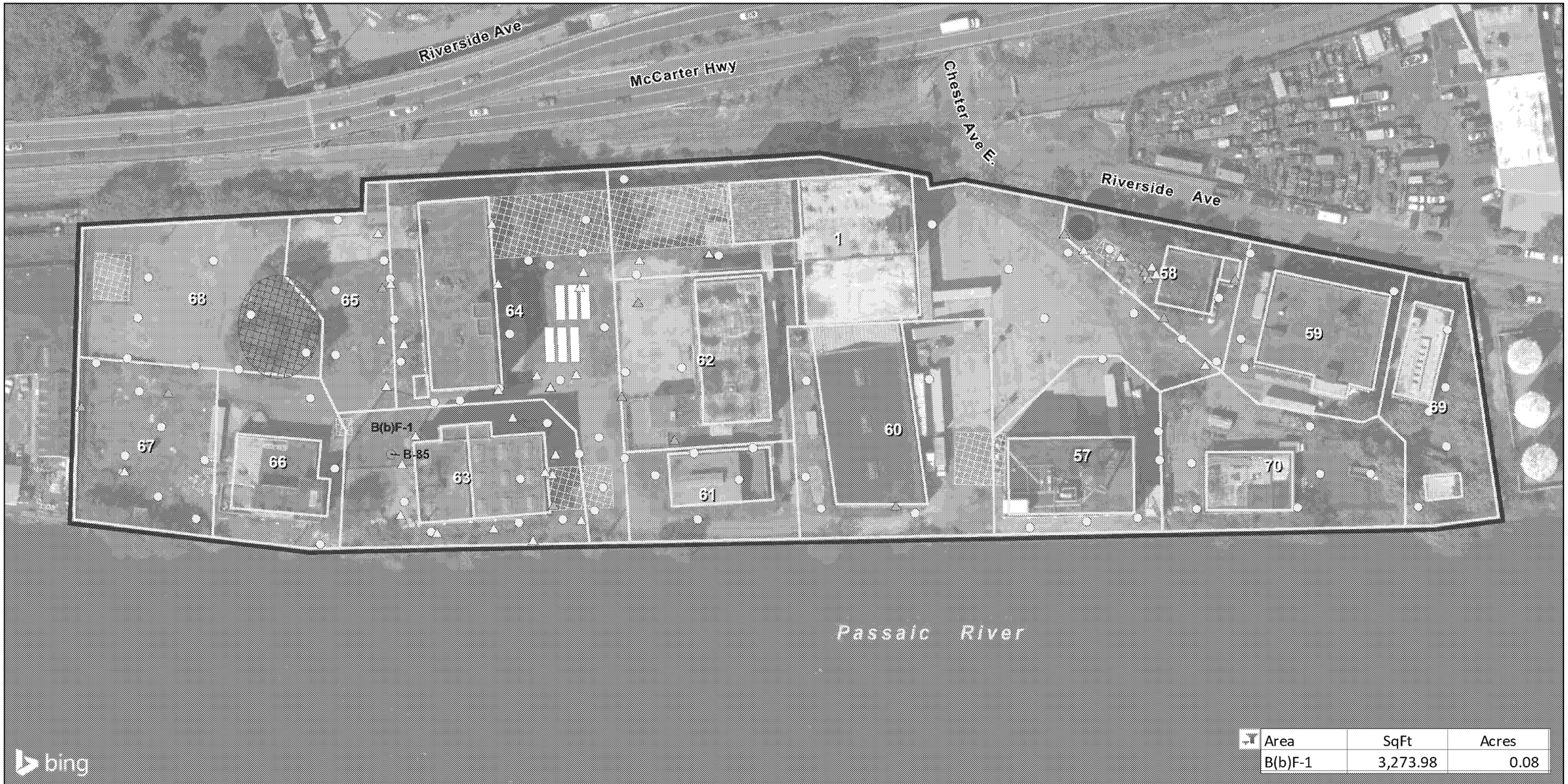
JUN 2020

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

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

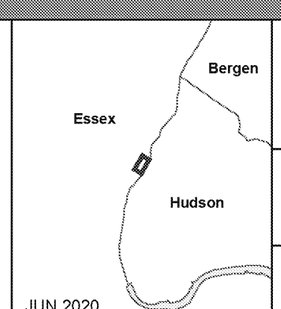
Structure
- Existing
- Demolished/Partially Demolished
- UST
- Former Soil Mound

- 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.



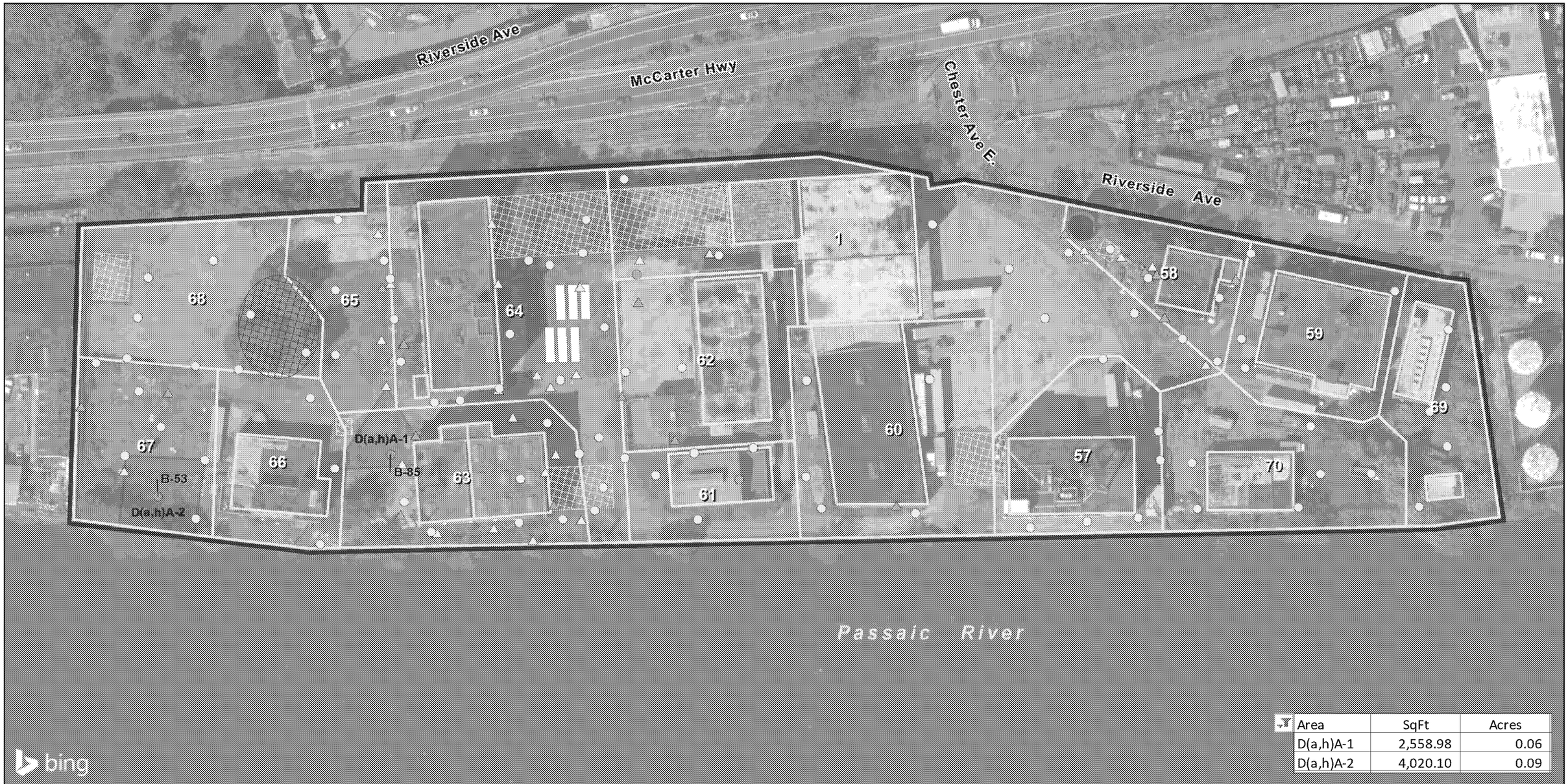
JUN 2020

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

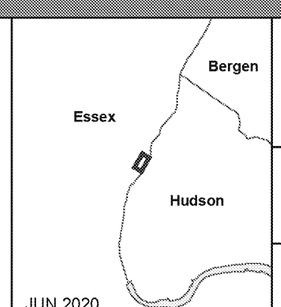
Structure
- Existing
- Demolished/Partially Demolished
- UST
- Former Soil Mound

- 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.



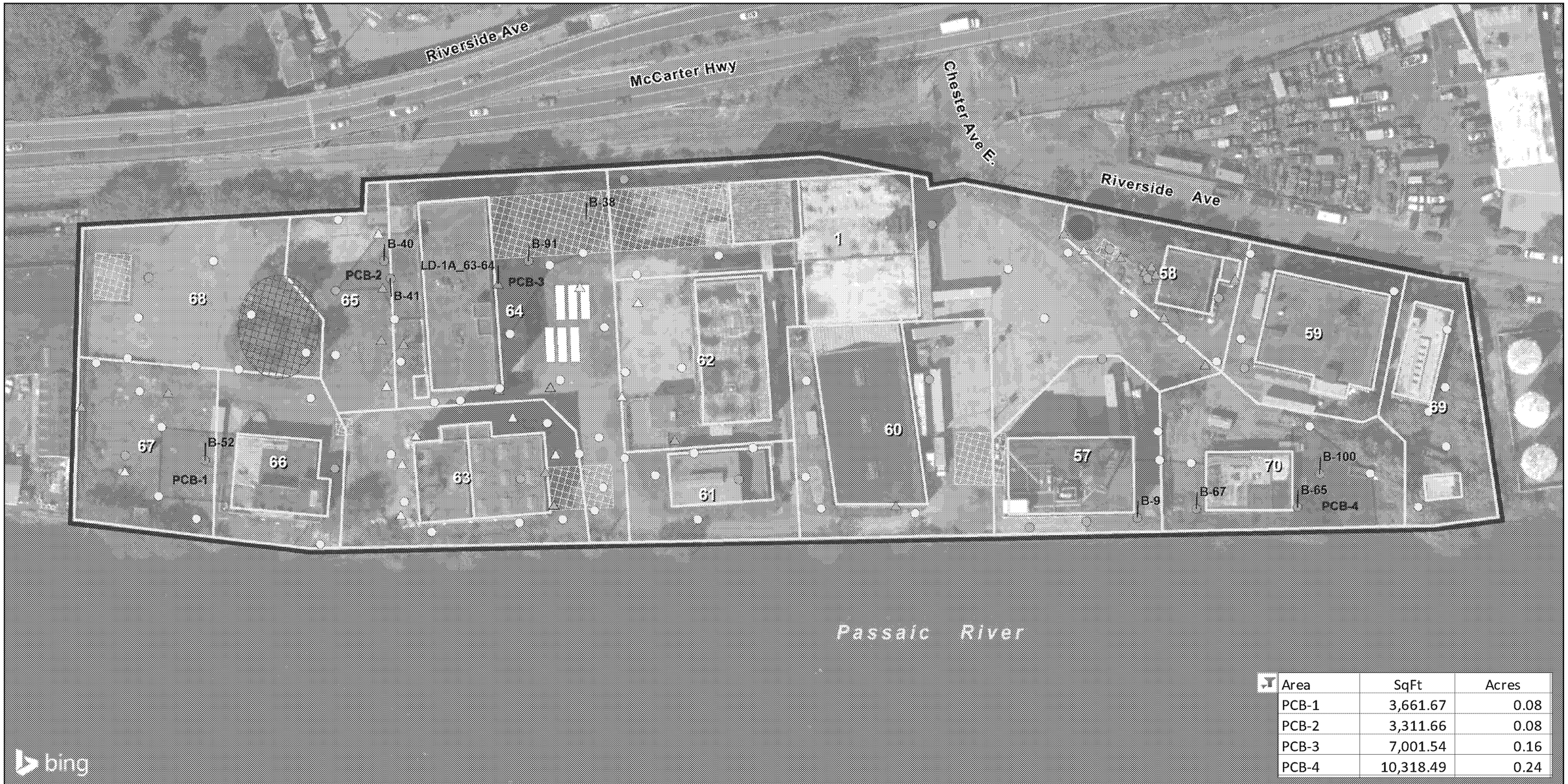
JUN 2020

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

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

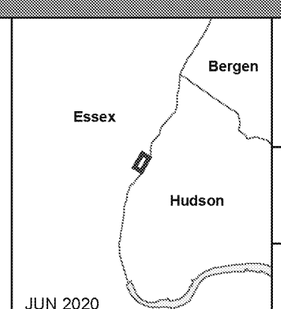
Structure
- Existing
- Demolished/Partially Demolished
- UST
- Former Soil Mound

- 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.



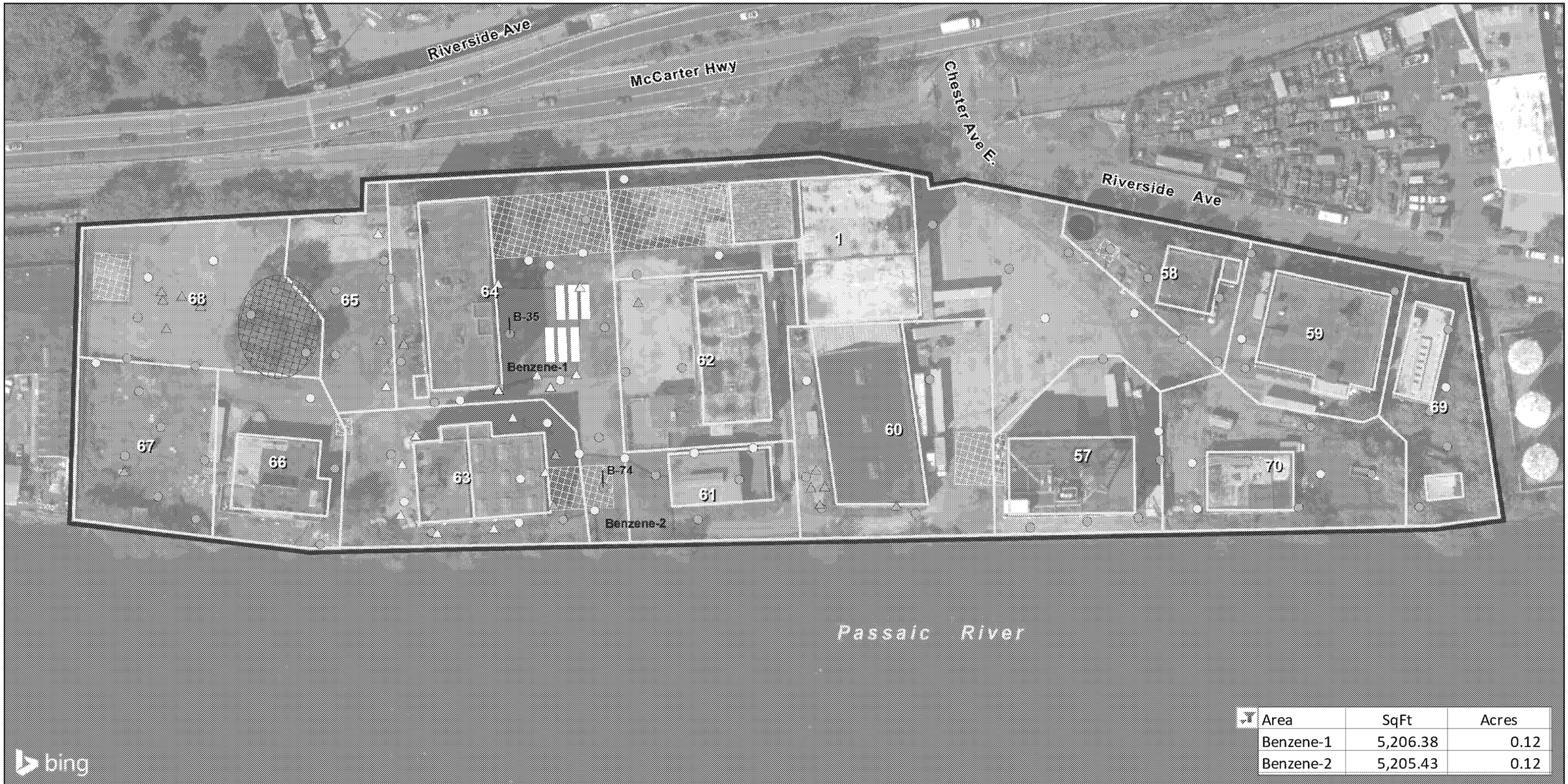
JUN 2020

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

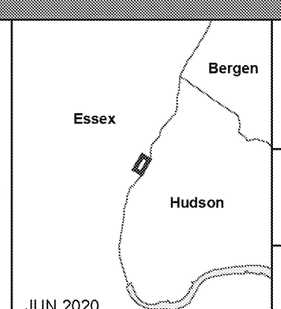
Structure
- Existing
- Demolished/Partially Demolished
- UST
- Former Soil Mound

- 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.



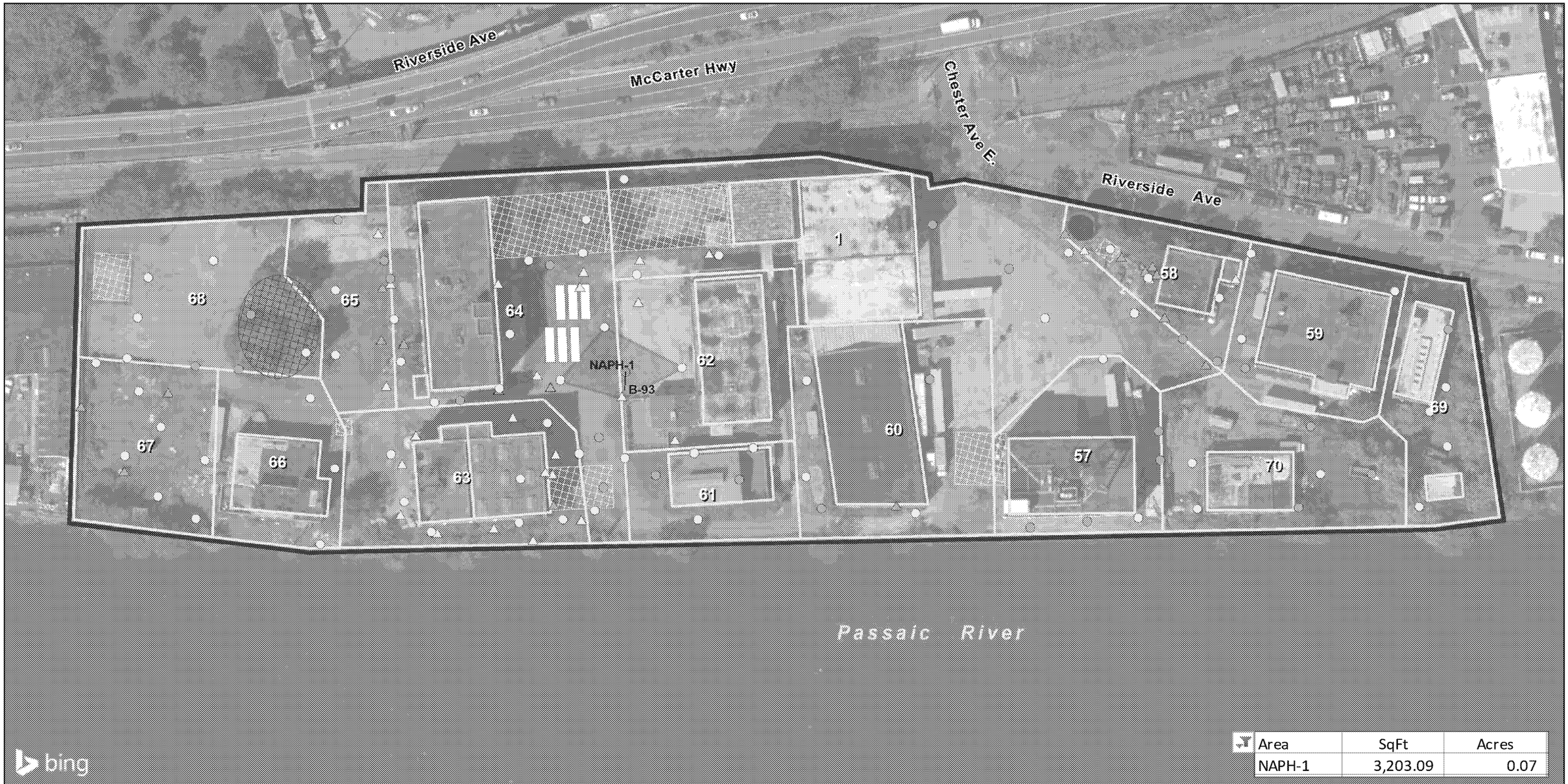
JUN 2020

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



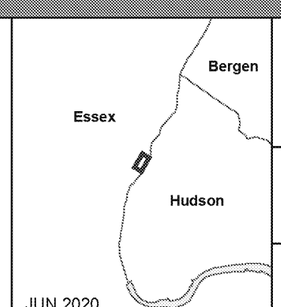
Area	SqFt	Acres
NAPH-1	3,203.09	0.07

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



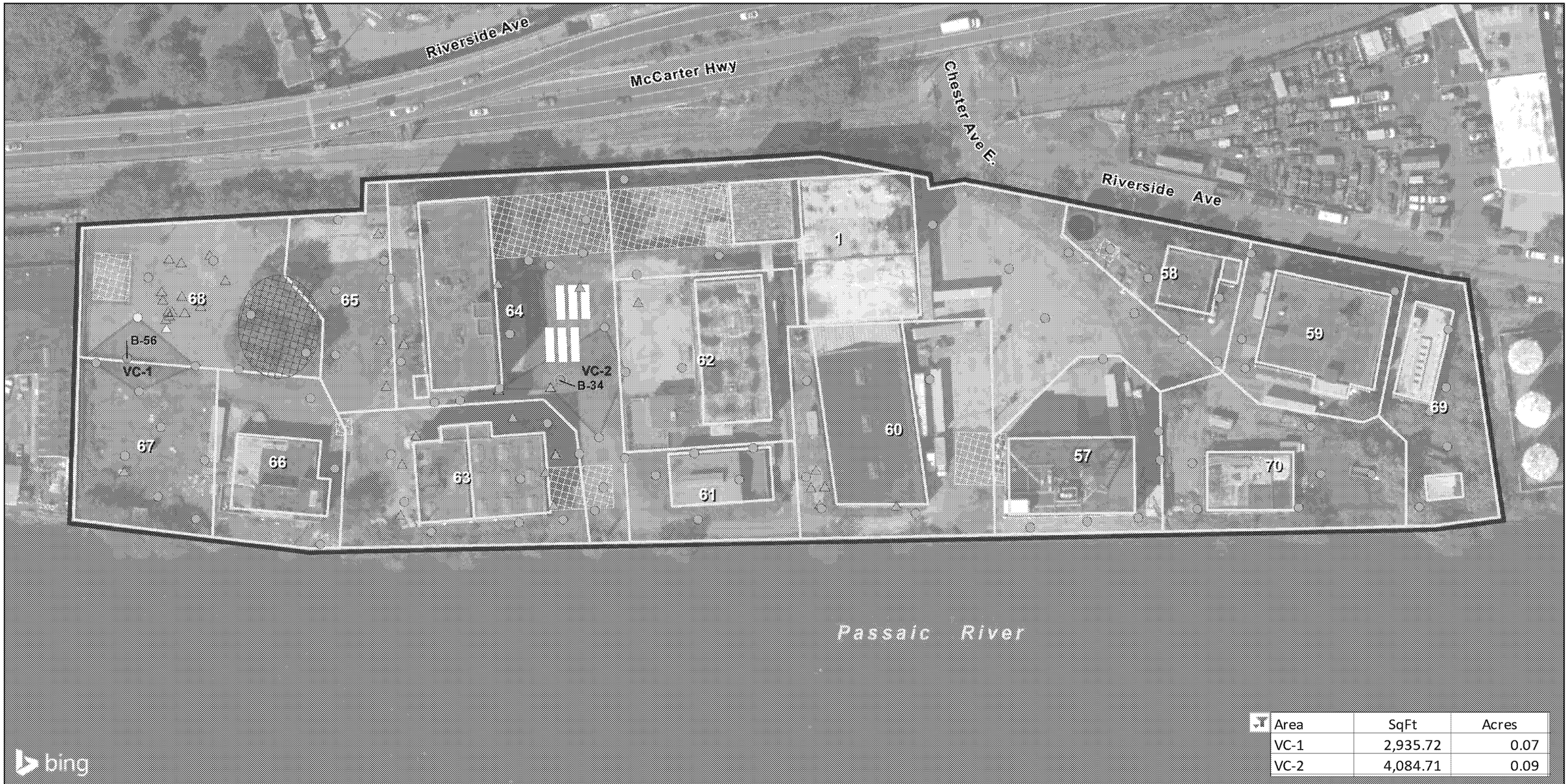
JUN 2020

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

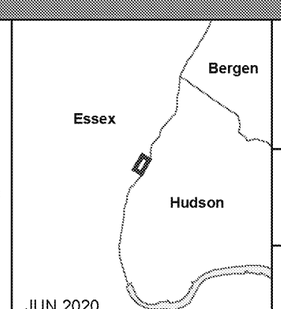
Structure
- Existing
- Demolished/Partially Demolished
- UST
- Former Soil Mound

- 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 quantitation 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.



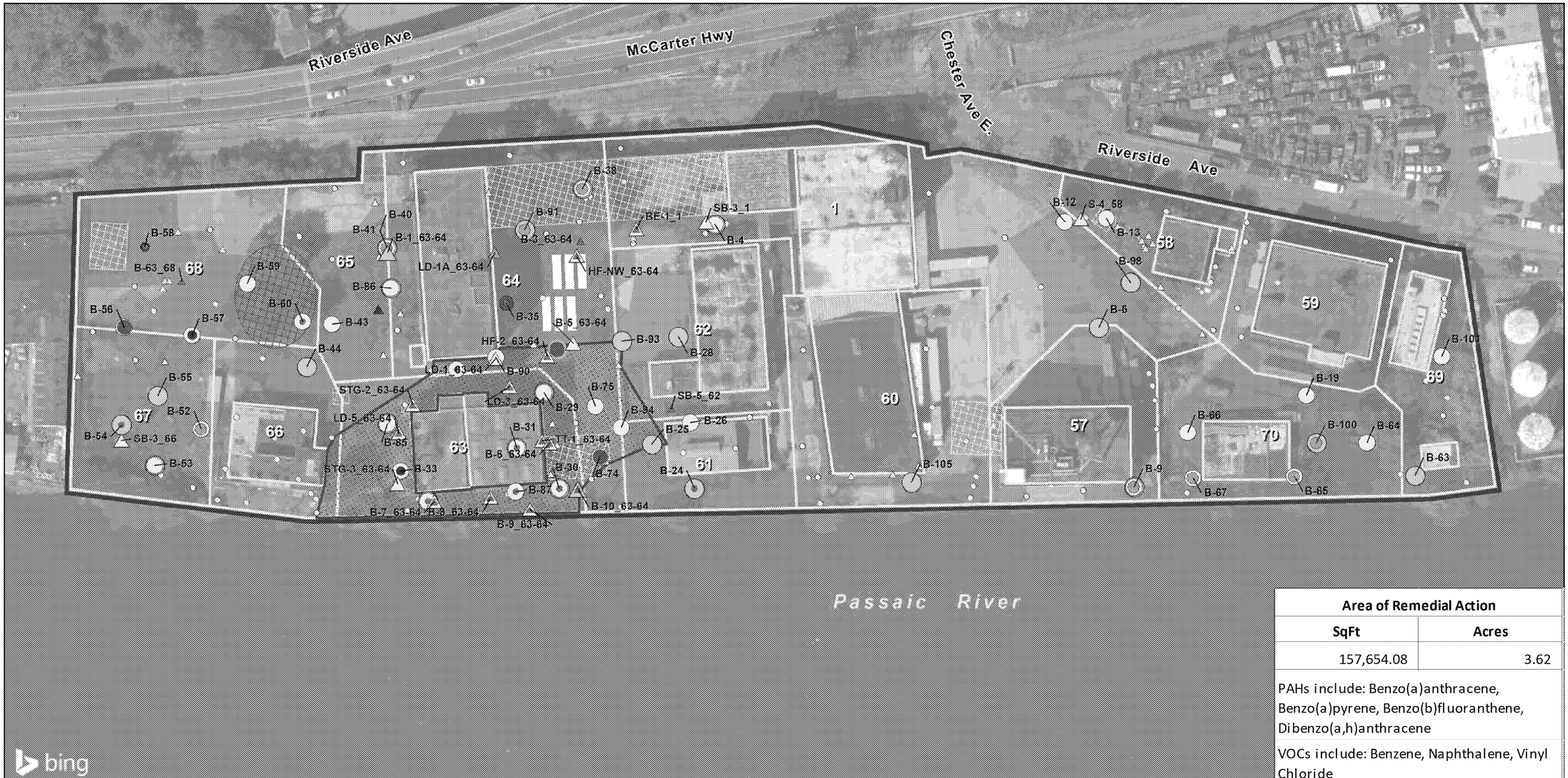
JUN 2020

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

Louis Berger

0 100 200 Feet

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



Area of Remedial Action	
SqFt	Acres
157,654.08	3.62

PAHs include: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene

VOCs include: Benzene, Naphthalene, Vinyl Chloride

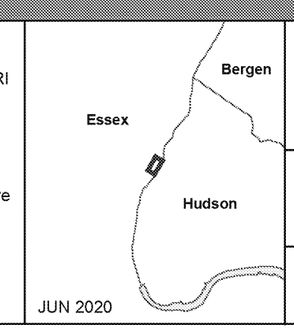
Study Area
Parcel (Newark, Oct 2017)
Structure
Existing
Demolished/Partially Demolished
UST
Former Soil Mound

Footprint of Remedial
Footprint of Soil Alternative 4 for Focused Lead Removal
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

0 100 200 Feet

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