

Legend

Color Legend
Known to occur within/near route/interchange
Some potential to occur within route/interchange
Not expected to occur within route/interchange

Scientific Name	Common Name	Last Observed Date	Federal Status	State Status	Element Category	Town	Range	Section
Crossing X1								
<i>Macrhybopsis storeriana</i>	Silver Chub	1985-03		SC	Animal	03S	11E	28
<i>Sterna hirundo</i>	Common Tern	2002-05-31		T	Animal	04S	11E	19
<i>Sistrurus catenatus catenatus</i>	Eastern Massasauga	1858	C	SC	Animal	04S	11E	17
<i>Myotis sodalis</i>	Indiana Bat or Indiana Myotis	1865	LE	E	Animal	04S	11E	17
<i>Clemmys guttata</i>	Spotted Turtle	1997-06-04		T	Animal	03S	11E	21
<i>Elaphe vulpina gloydi</i>	Eastern Fox Snake	1994		T	Animal	04S	11E	28
<i>Acipenser fulvescens</i>	Lake Sturgeon	1978		T	Animal	03S	11E	10
Crossing X2								
<i>Macrhybopsis storeriana</i>	Silver Chub	1985-03		SC	Animal	03S	11E	28
<i>Sterna hirundo</i>	Common Tern	2002-05-31		T	Animal	04S	11E	19
<i>Sistrurus catenatus catenatus</i>	Eastern Massasauga	1858	C	SC	Animal	04S	11E	17
<i>Myotis sodalis</i>	Indiana Bat or Indiana Myotis	1865	LE	E	Animal	04S	11E	17
<i>Clemmys guttata</i>	Spotted Turtle	1997-06-04		T	Animal	03S	11E	21
<i>Elaphe vulpina gloydi</i>	Eastern Fox Snake	1994		T	Animal	04S	11E	28
<i>Acipenser fulvescens</i>	Lake Sturgeon	1978		T	Animal	03S	11E	10
Crossing X3								
<i>Macrhybopsis storeriana</i>	Silver Chub	1985-03		SC	Animal	03S	11E	28
<i>Sterna hirundo</i>	Common Tern	2002-05-31		T	Animal	04S	11E	19
<i>Sistrurus catenatus catenatus</i>	Eastern Massasauga	1858	C	SC	Animal	04S	11E	17
<i>Myotis sodalis</i>	Indiana Bat or Indiana Myotis	1865	LE	E	Animal	04S	11E	17
<i>Clemmys guttata</i>	Spotted Turtle	1997-06-04		T	Animal	03S	11E	21
<i>Elaphe vulpina gloydi</i>	Eastern Fox Snake	1994		T	Animal	04S	11E	28
<i>Acipenser fulvescens</i>	Lake Sturgeon	1978		T	Animal	03S	11E	10
Crossing X4								
<i>Acipenser fulvescens</i>	Lake Sturgeon	1978		T	Animal	03S	11E	10

Scientific Name	Common Name	Last Observed Date	Federal Status	State Status	Element Category	Town	Range	Section
<i>Macrhybopsis storeriana</i>	Silver Chub	1985-03		SC	Animal	03S	11E	28
<i>Sterna hirundo</i>	Common Tern	1985		T	Animal	03S	11E	21
Crossing X8								
<i>Acipenser fulvescens</i> **	Lake Sturgeon			T	Animal			
<i>Epioblasma torulosa rangiana</i>	Northern Riffleshell	1983-08	LE	E	Animal	02S	11E	25
<i>Noturus stigmosus</i>	Northern Madtom	1978-05-16		E	Animal	03S	11E	2
Crossing X9								
<i>Acipenser fulvescens</i> **	Lake Sturgeon			T	Animal			
<i>Epioblasma torulosa rangiana</i>	Northern Riffleshell	1983-08	LE	E	Animal	02S	11E	25
<i>Noturus stigmosus</i>	Northern Madtom	1978-05-16		E	Animal	03S	11E	2
Crossing X10								
<i>Acipenser fulvescens</i> **	Lake Sturgeon			T	Animal			
<i>Epioblasma torulosa rangiana</i>	Northern Riffleshell	1983-08	LE	E	Animal	02S	11E	25
<i>Noturus stigmosus</i>	Northern Madtom	1978-05-16		E	Animal	03S	11E	2
Crossing X11								
<i>Acipenser fulvescens</i> **	Lake Sturgeon			T	Animal			
<i>Epioblasma torulosa rangiana</i>	Northern Riffleshell	1983-08	LE	E	Animal	02S	11E	25
Crossing X12								
<i>Epioblasma torulosa rangiana</i>	Northern Riffleshell	1984-07-14	LE	E	Animal	02S	12E	17
<i>Cyclonaias tuberculata</i>	Purple Wartback	1984-07-14		SC	Animal	02S	12E	17
<i>Obovaria subrotunda</i>	Round Hickorynut	1984-07-14		E	Animal	02S	12E	17
<i>Epioblasma triquetra</i>	Snuffbox	1984-07-14		E	Animal	02S	12E	17
Crossing X14								
<i>Epioblasma torulosa rangiana</i>	Northern Riffleshell	1984-07-14	LE	E	Animal	02S	12E	17
<i>Cyclonaias tuberculata</i>	Purple Wartback	1984-07-14		SC	Animal	02S	12E	17
<i>Obovaria subrotunda</i>	Round Hickorynut	1984-07-14		E	Animal	02S	12E	17
<i>Epioblasma triquetra</i>	Snuffbox	1984-07-14		E	Animal	02S	12E	17
Crossing X15								
<i>Acipenser fulvescens</i> **	Lake Sturgeon			T	Animal			
<i>Asclepias sullivantii</i>	Sullivant's Milkweed	1999-Fall		T	Plant	02S	13E	6
<i>Macrhybopsis storeriana</i>	Silver Chub	1984-11		SC	Animal	01S	13E	33
<i>Epioblasma torulosa rangiana</i>	Northern Riffleshell	1983-08	LE	E	Animal	02S	13E	4
<i>Sterna hirundo</i>	Common Tern	1985		T	Animal	02S	12E	12
<i>Sterna forsteri</i>	Forster's Tern	1985		SC	Animal	02S	12E	12
<i>Cyclonaias tuberculata</i>	Purple Wartback	1983-08		SC	Animal	02S	13E	5

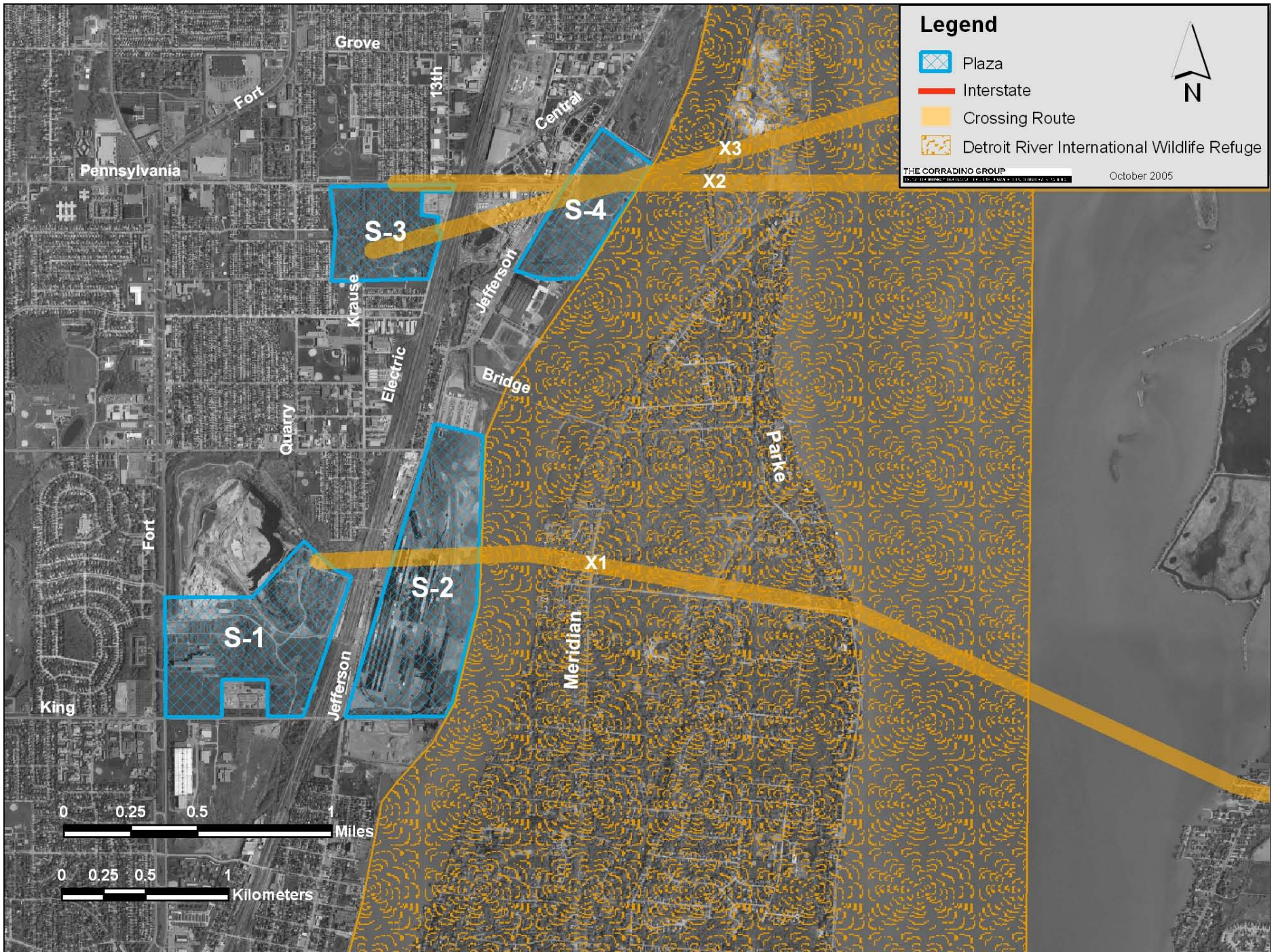
Scientific Name	Common Name	Last Observed Date	Federal Status	State Status	Element Category	Town	Range	Section
<i>Obovaria subrotunda</i>	Round Hickorynut	1983-08		E	Animal	02S	12E	1
<i>Zizania aquatica var. aquatica</i>	Wild-rice	1892-08-12		T	Plant	02S	12E	11
<i>Simpsonaias ambigua</i>	Salamander Mussel	1983-11-05		E	Animal	02S	13E	6
<i>Epioblasma torulosa rangiana</i>	Northern Riffleshell	1988-07-27	LE	E	Animal	02S	12E	1
<i>Quercus shumardii</i>	Shumard's oak	1998-12-09		SC	Plant	02S	12E	12
<i>Fraxinus profunda</i>	Pumpkin Ash	2001-01-09		T	Plant	02S	12E	12
<i>Noturus miurus</i>	Brindled Madtom	1999		SC	Animal	01S	13E	33
<i>Moxostoma carinatum</i>	River Redhorse	1984-09		T	Animal	02S	12E	11
<i>Carex frankii</i>	Frank's Sedge	1984-07-02		SC	Plant	02S	12E	12
<i>Obovaria olivaria</i>	Hickorynut	1983-07-23		SC	Animal	02S	12E	14
<i>Epioblasma triquetra</i>	Snuffbox	1988-07-27		E	Animal	02S	12E	1

* Data from Michigan Natural Features inventory

** No reported occurrence of species with MNFI but known to occur

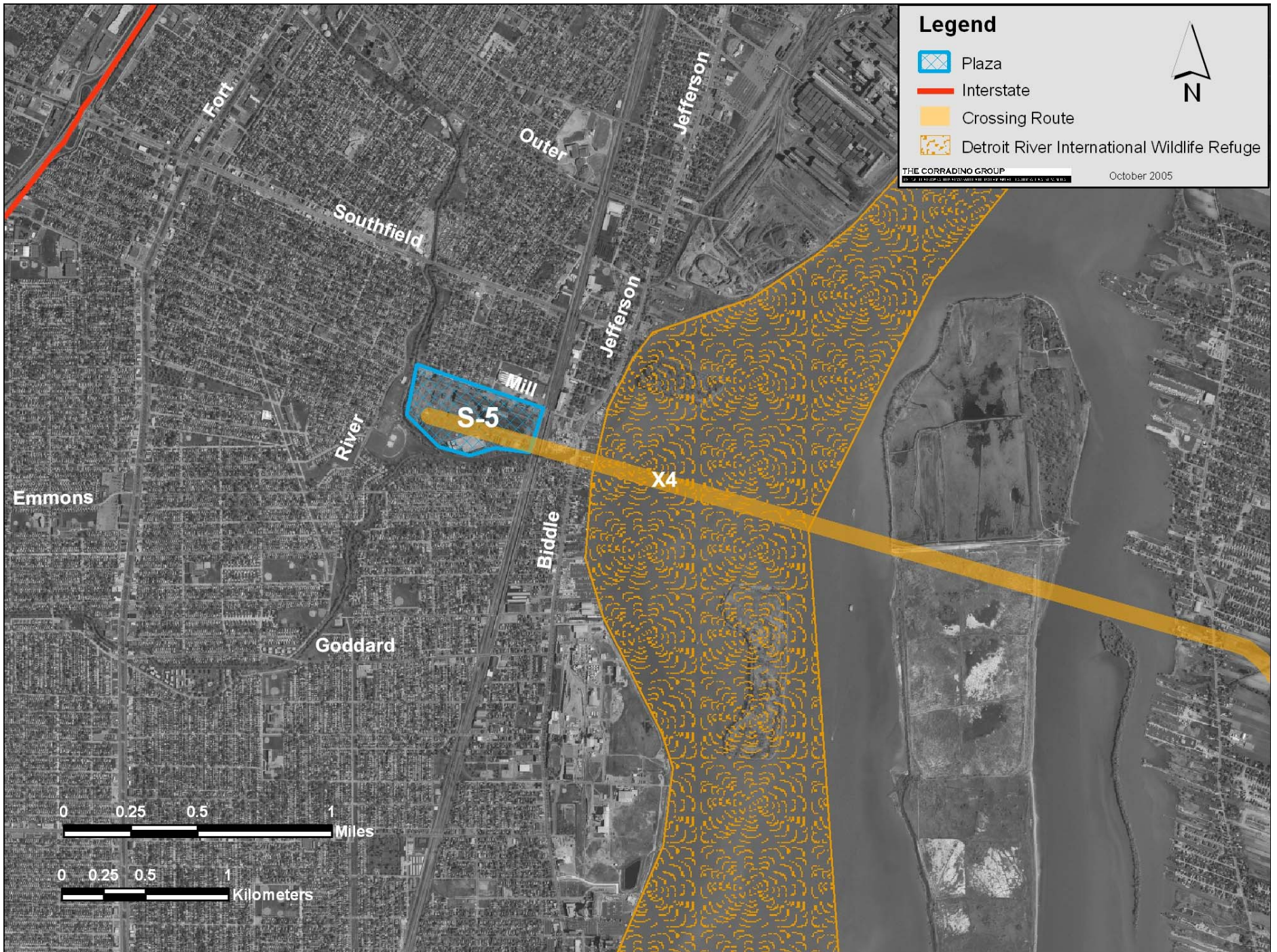
Wildlife Refuges

Detroit River International Wildlife Refuge
S-1 through S-4

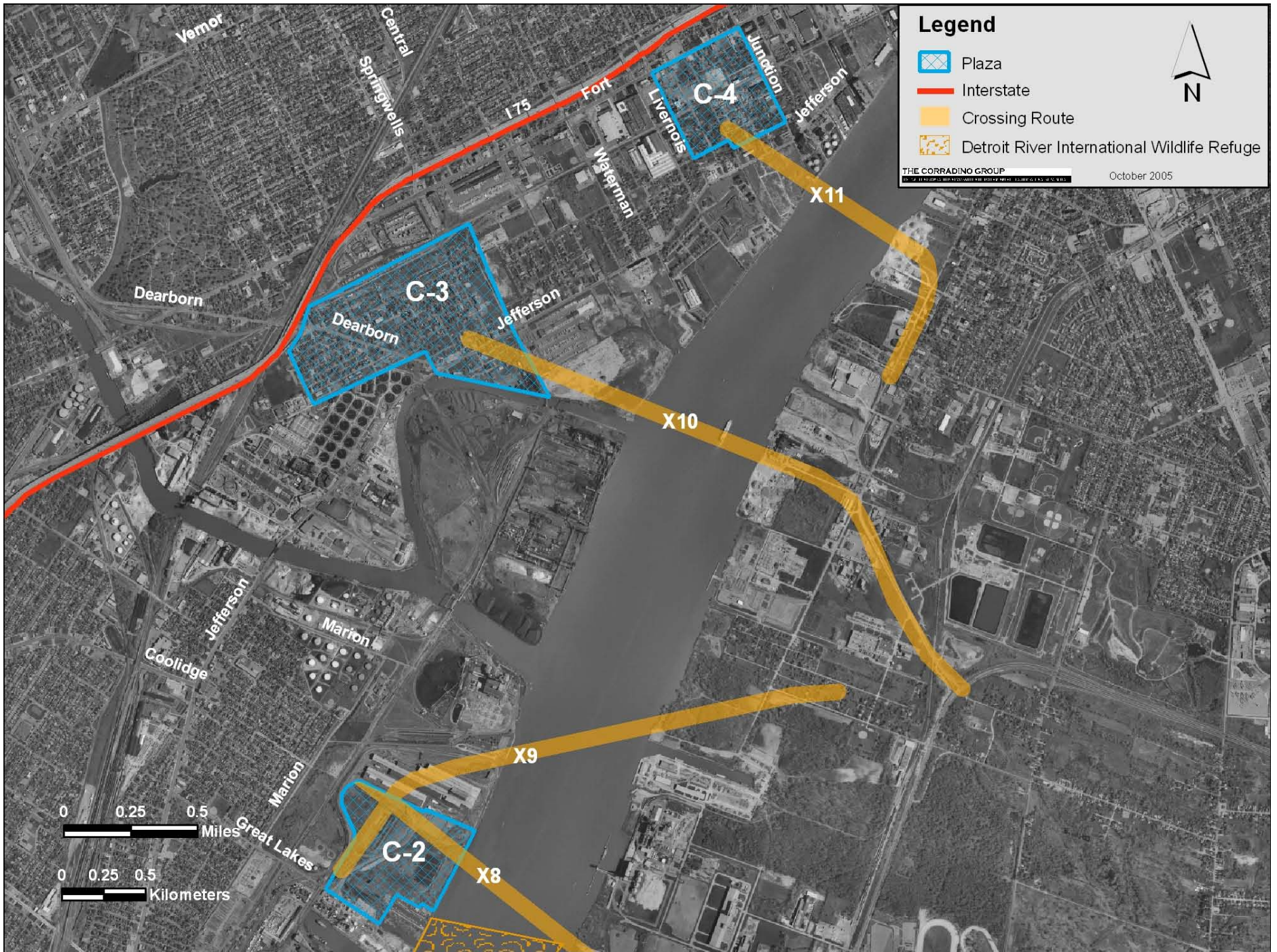


Detroit River International Wildlife Refuge

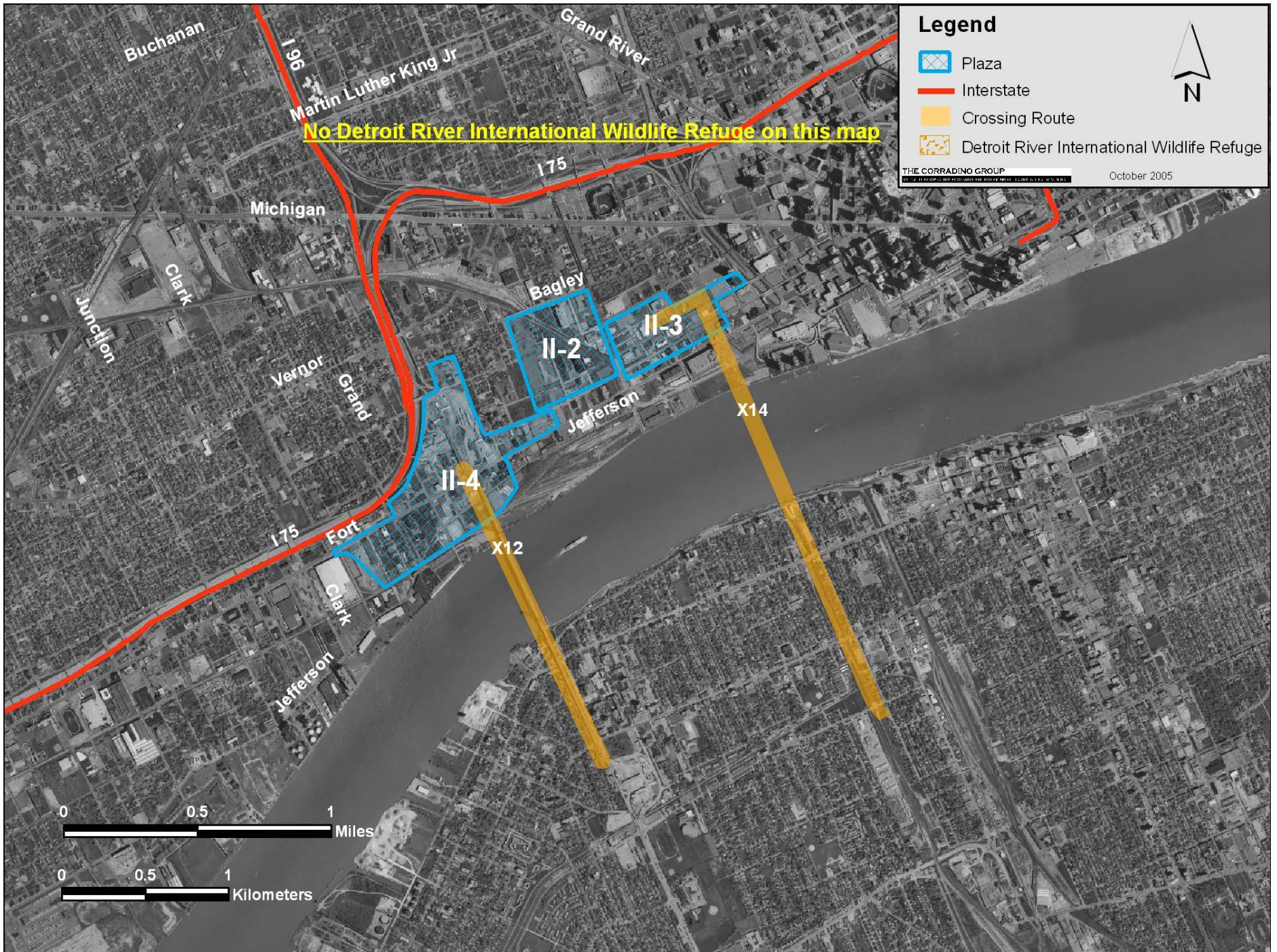
S-5



Detroit River International Wildlife Refuge C-2 through C-4



Detroit River International Wildlife Refuge
II-2 through II-4



Detroit River International Wildlife Refuge
N-1



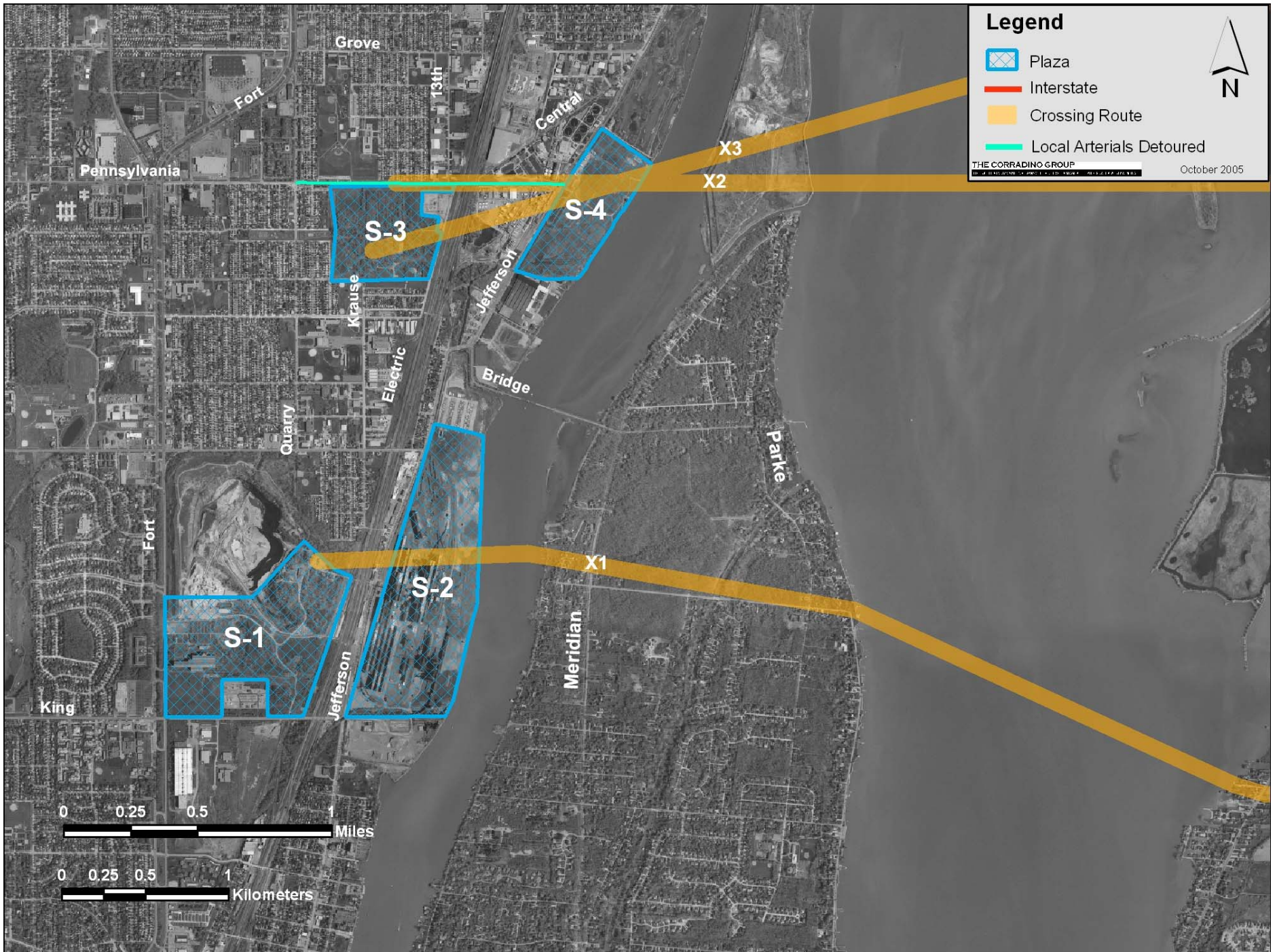
Farmland

**Crossings will have
No Impact on Farmland**

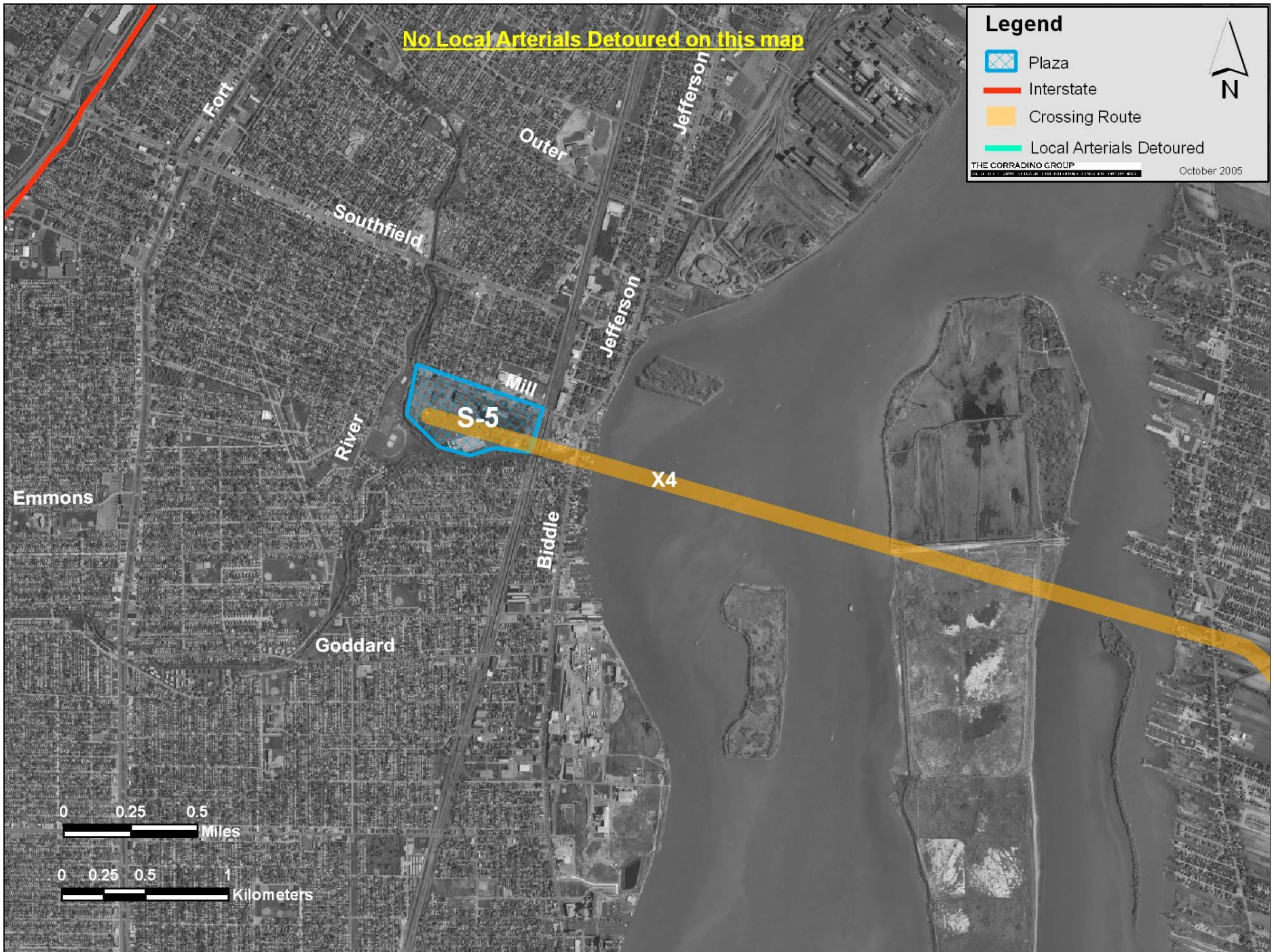
3.1.5 Improve Regional Mobility

Detour of Local Arterials

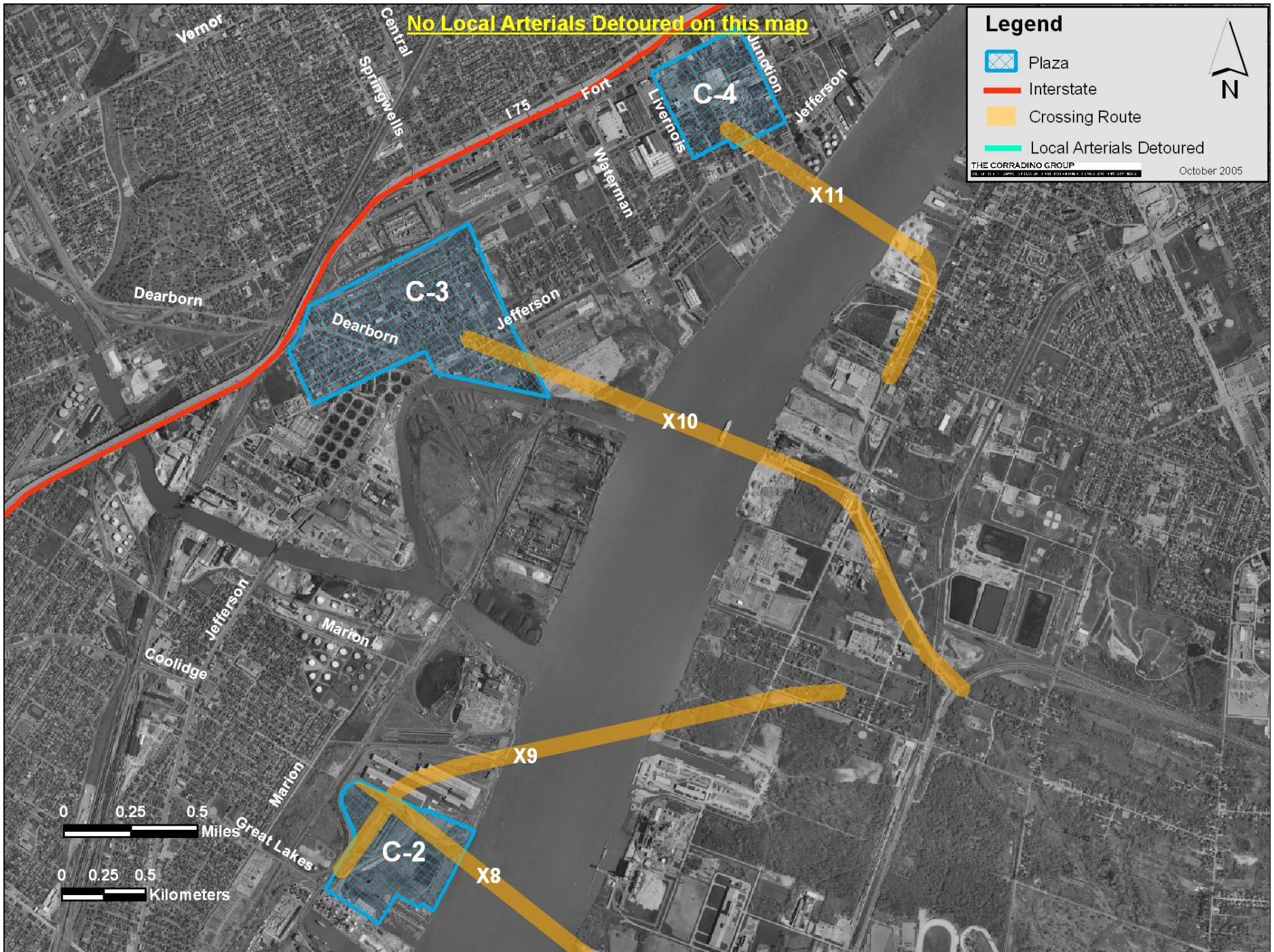
Detour of Local Arterials S-1 through S-4



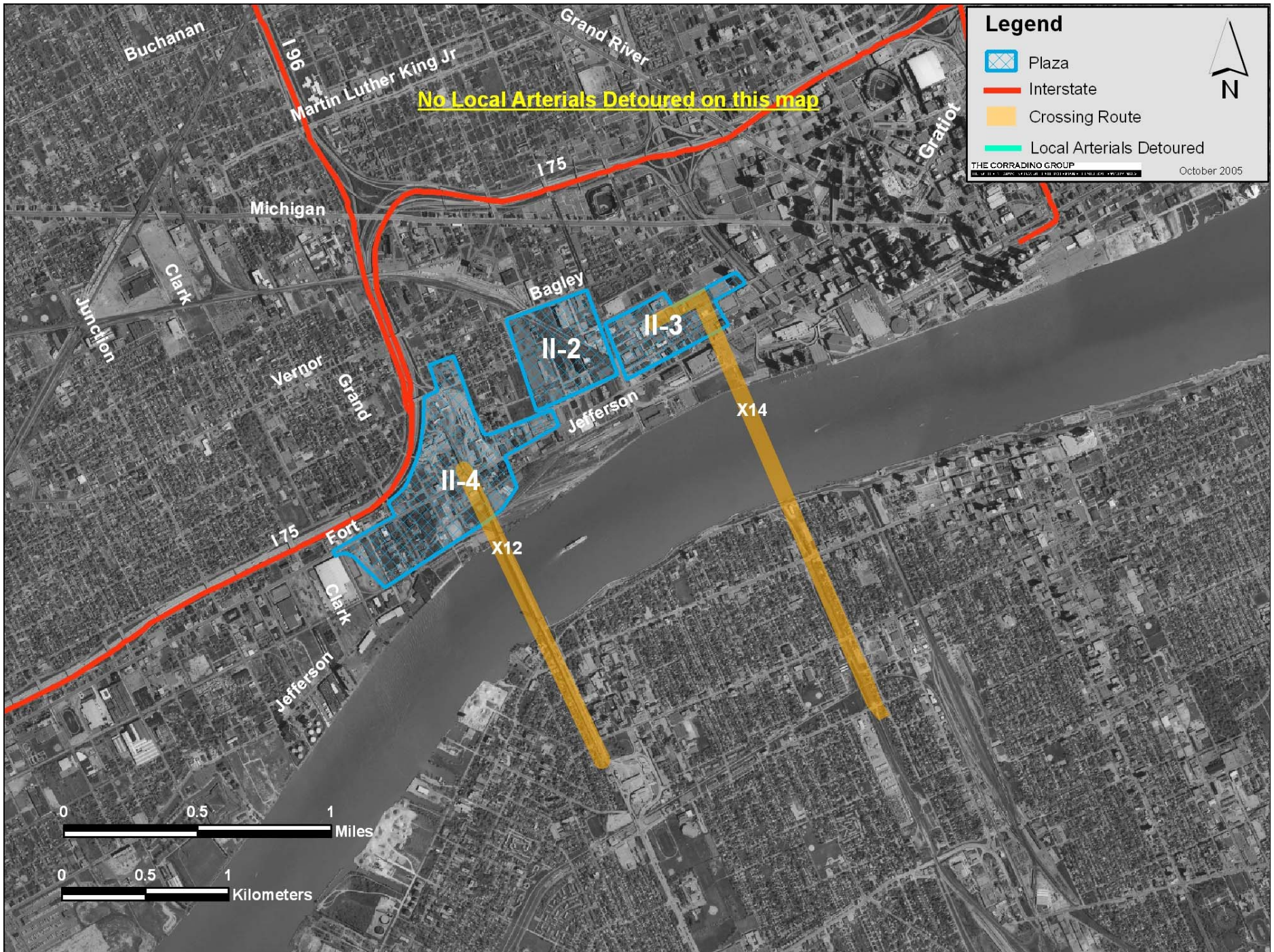
Detour of Local Arterials
S-5



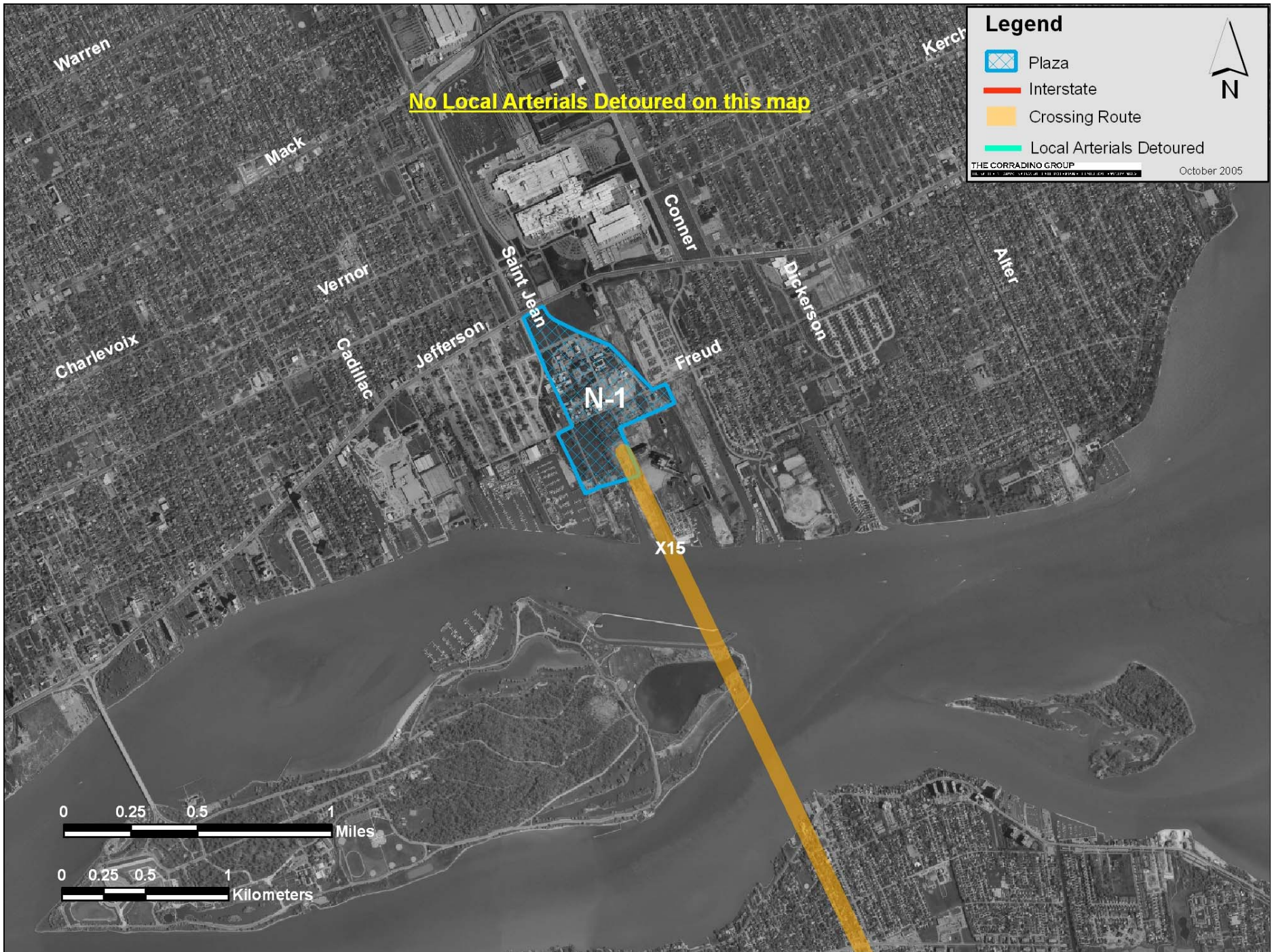
Detour of Local Arterials
C-2 through C-4



Detour of Local Arterials
II-2 through II-4



Detour of Local Arterials N-1



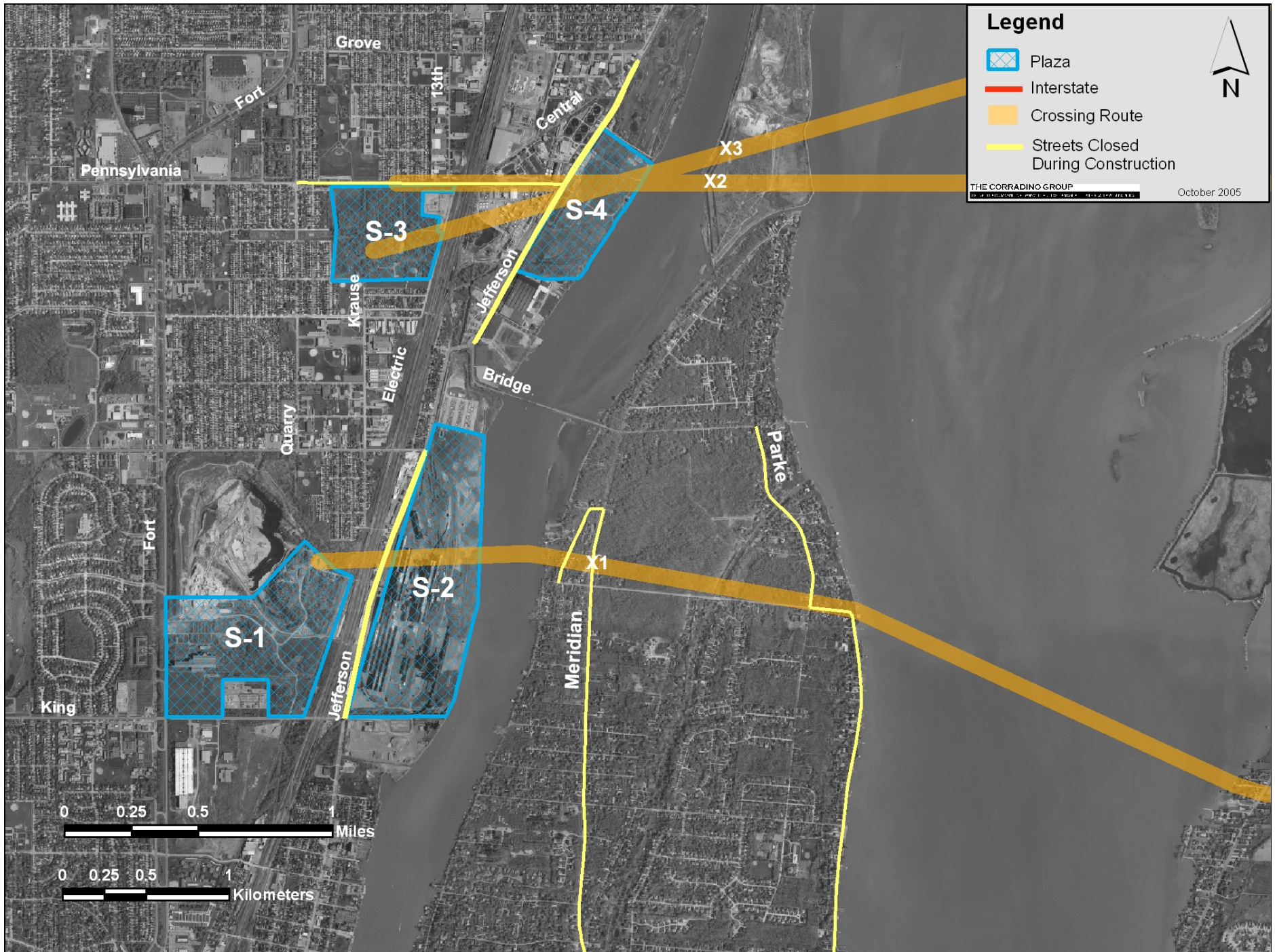
3.1.6 Maintain Air Quality

**No graphics were developed
for this evaluation factor**

3.1.7 Assess How the Project Can Be Built (Constructability)

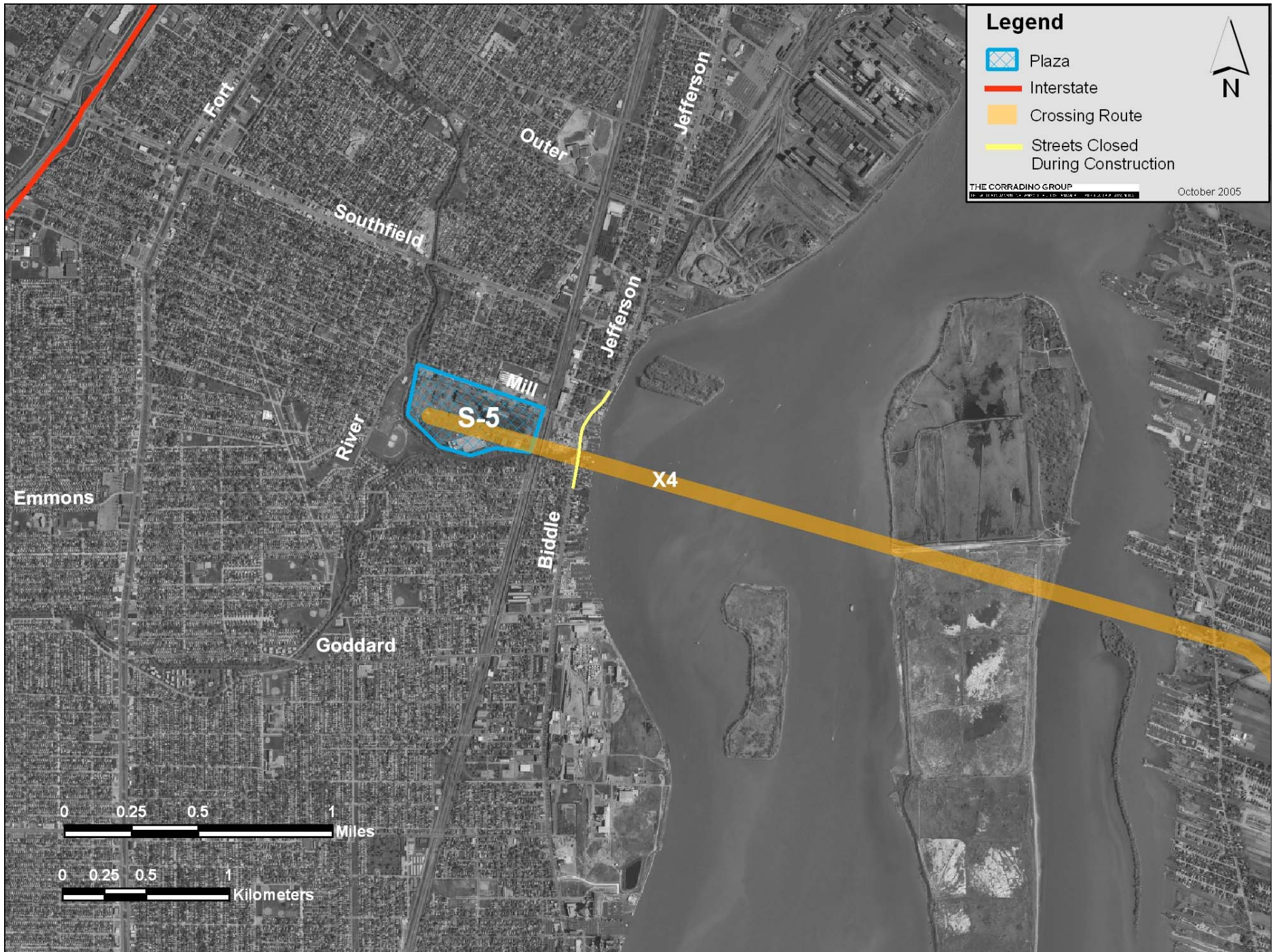
Streets Crossed/Closed During Construction

Streets Crossed/Closed During Construction S-1 through S-4

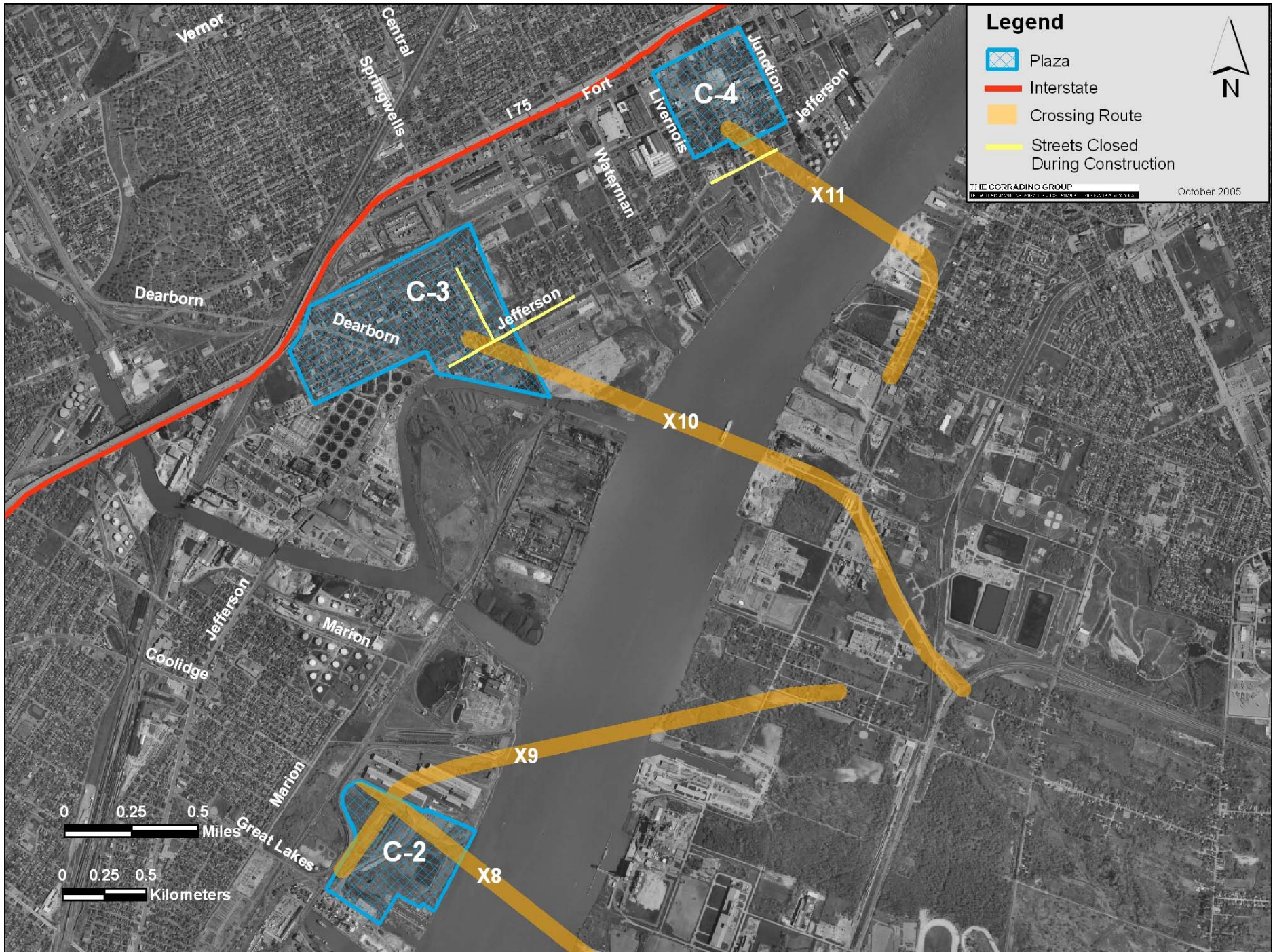


Streets Crossed/Closed During Construction

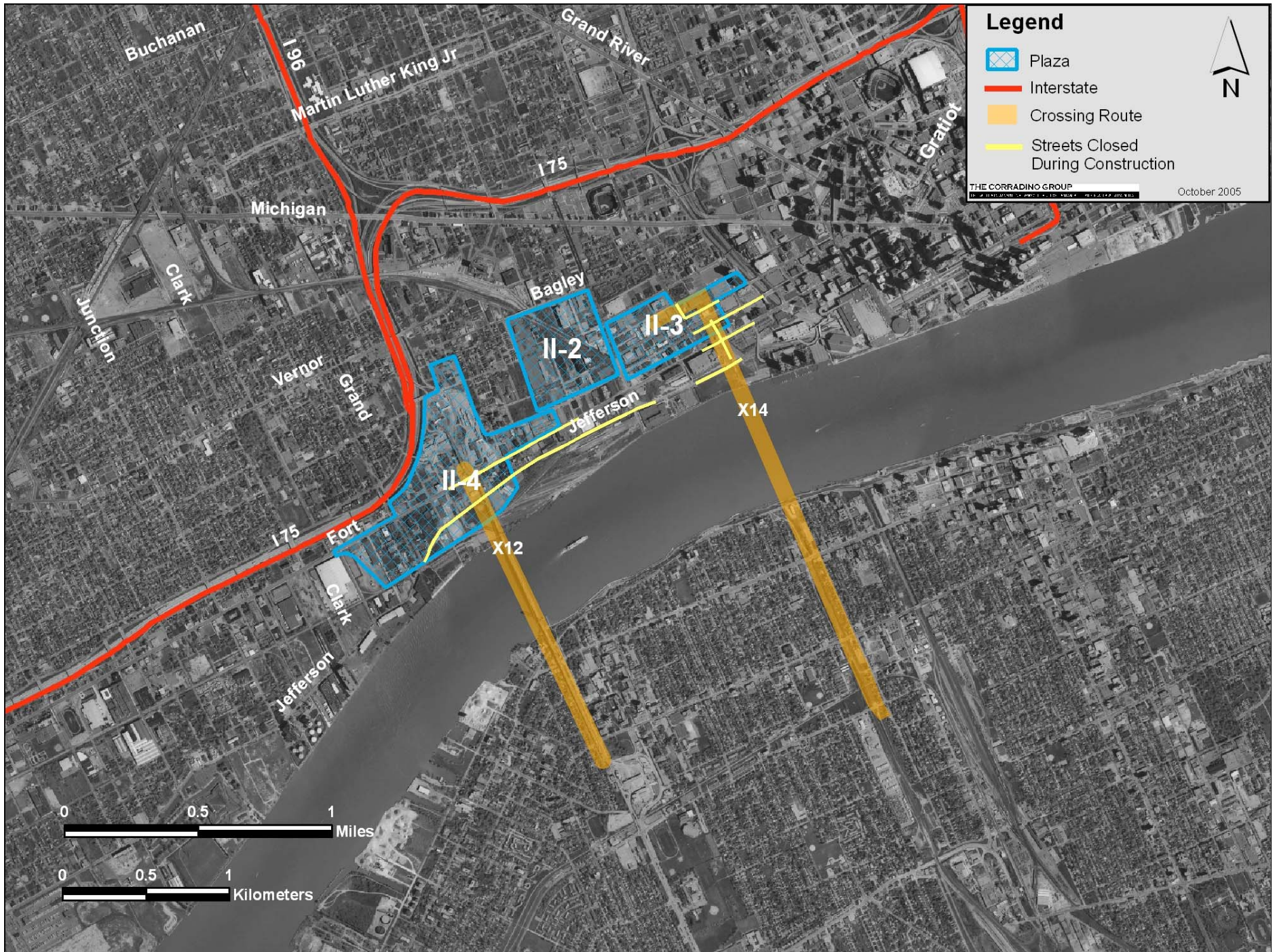
S-5



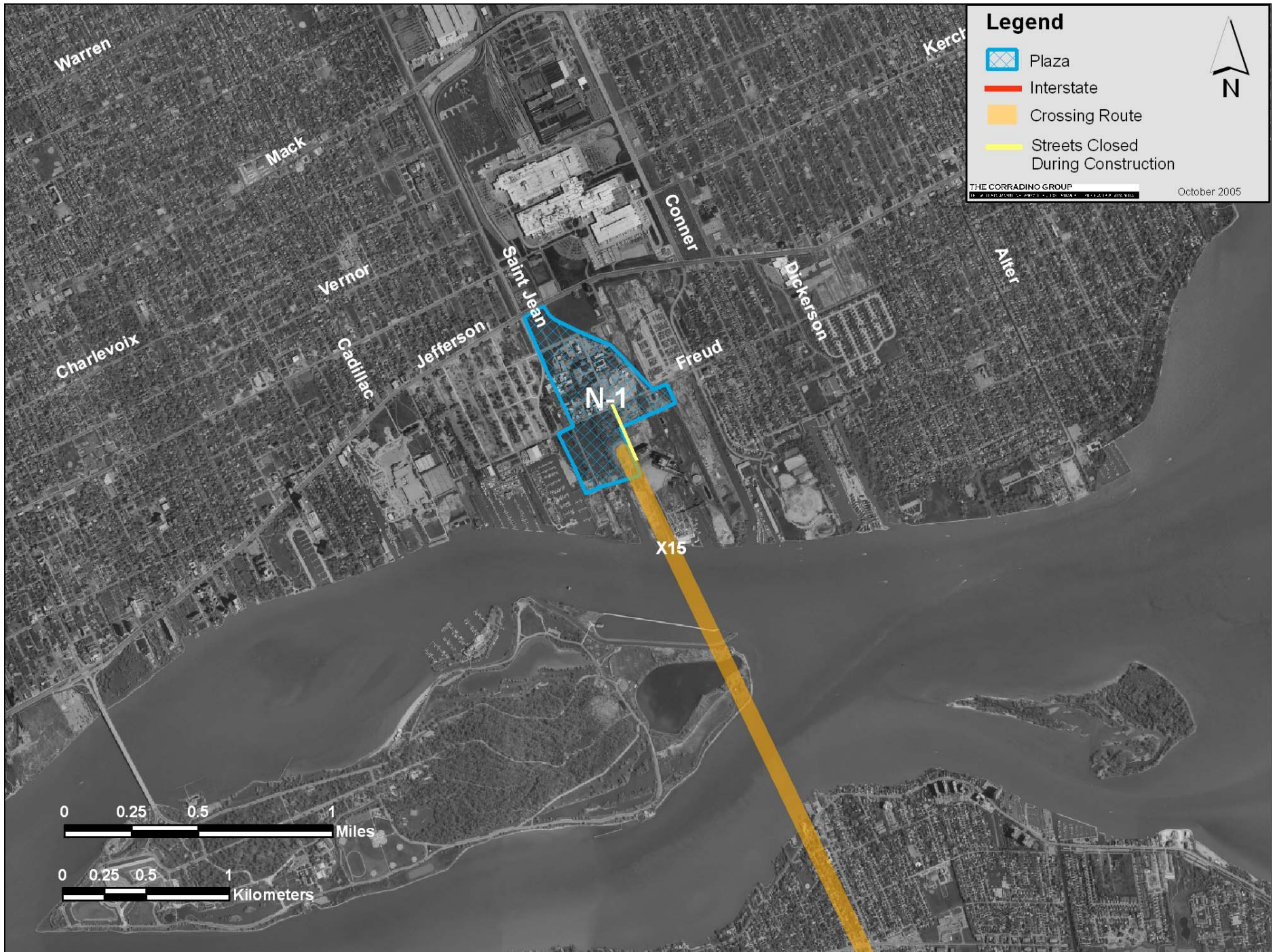
Streets Crossed/Closed During Construction
C-2 through C-4



Streets Crossed/Closed During Construction
II-2 through II-4

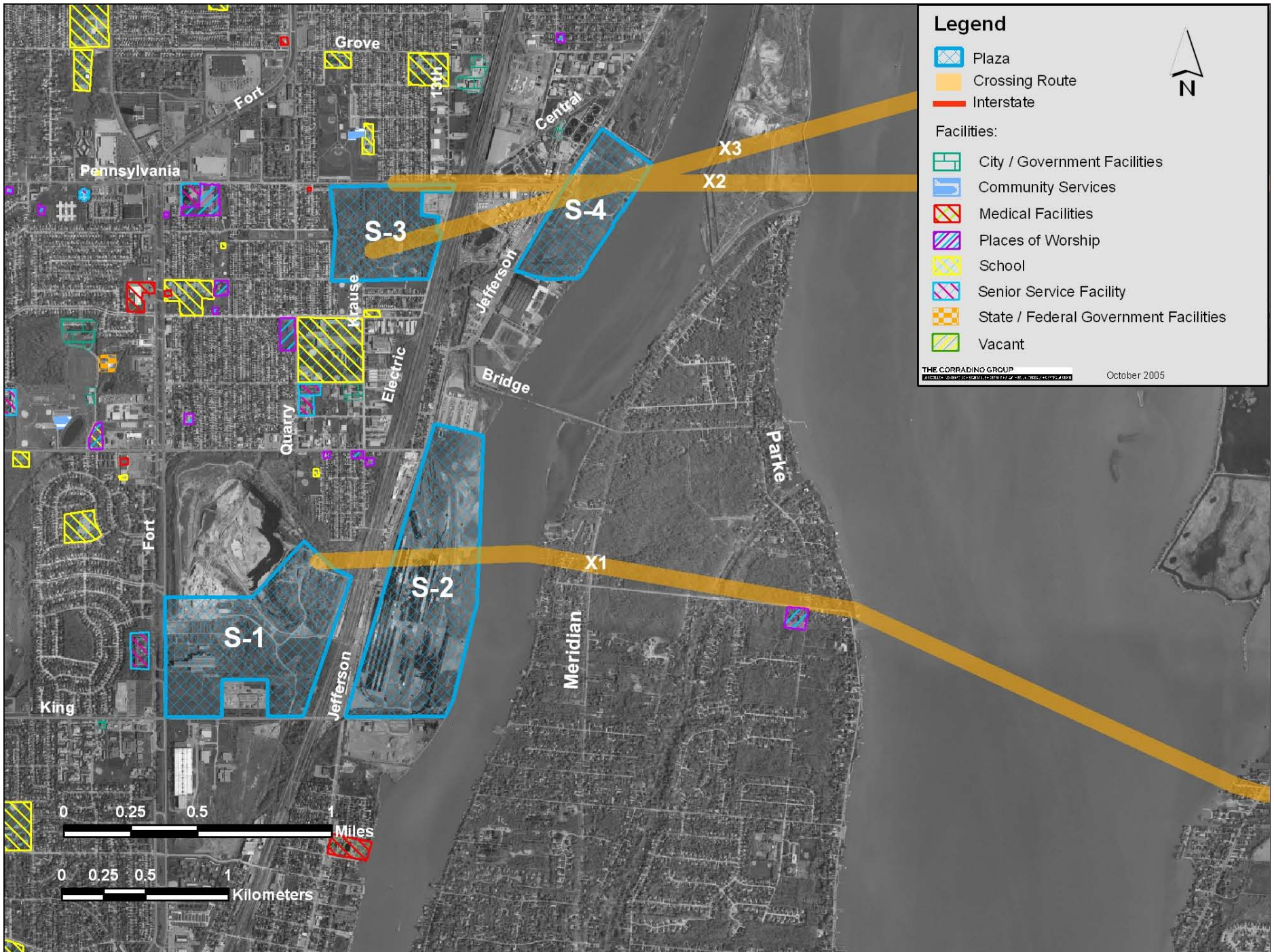


Streets Crossed/Closed During Construction N-1



Schools and Public Use Facilities Affected by Construction

Schools and Public Use Facilities Affected S-1 through S-4

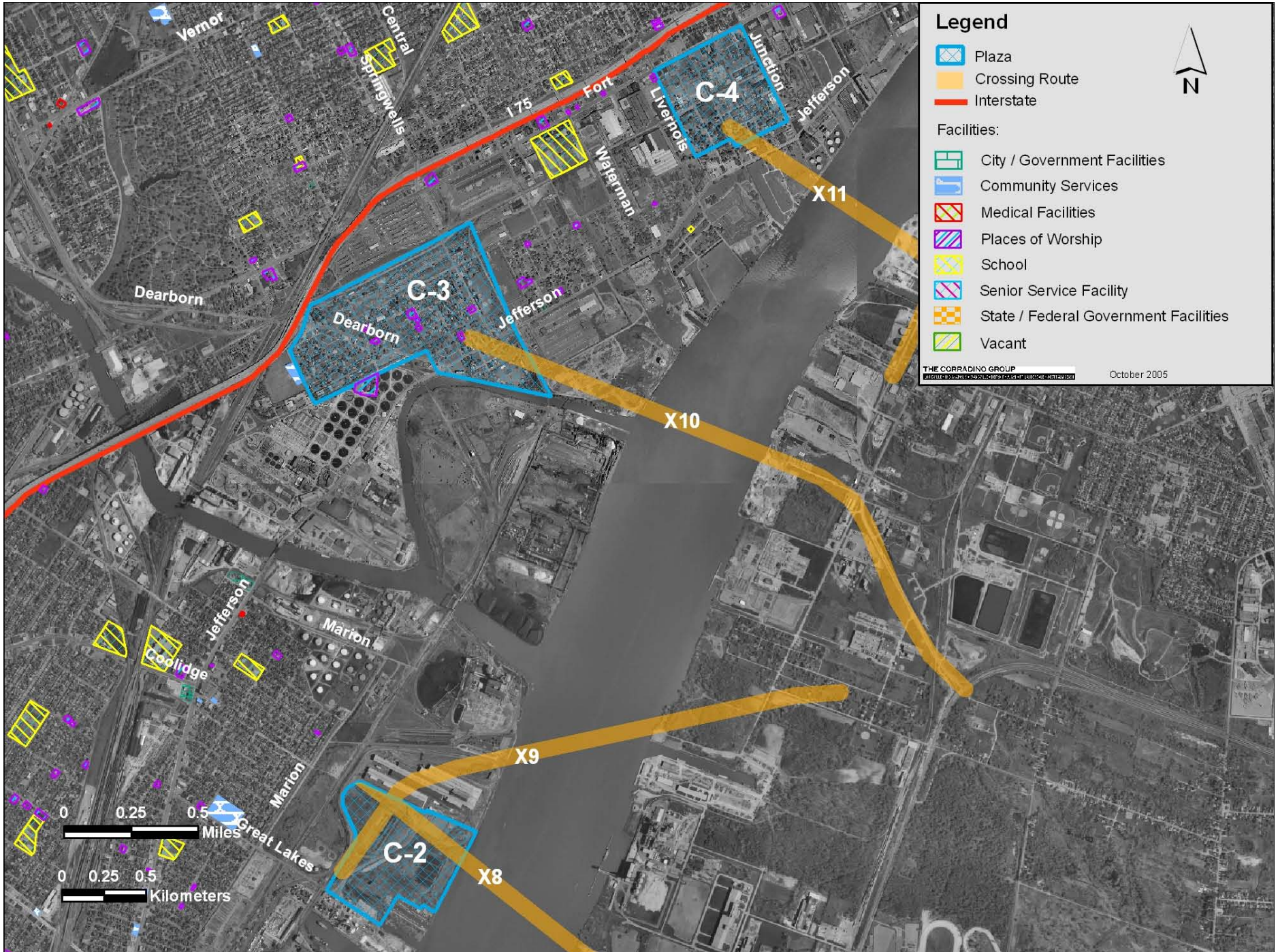


Schools and Public Use Facilities Affected

S-5



Schools and Public Use Facilities Affected C-2 through C-4



Schools and Public Use Facilities Affected II-2 through II-4



Schools and Public Use Facilities Affected N-1



Legend

- Plaza
- Crossing Route
- Interstate

Facilities:

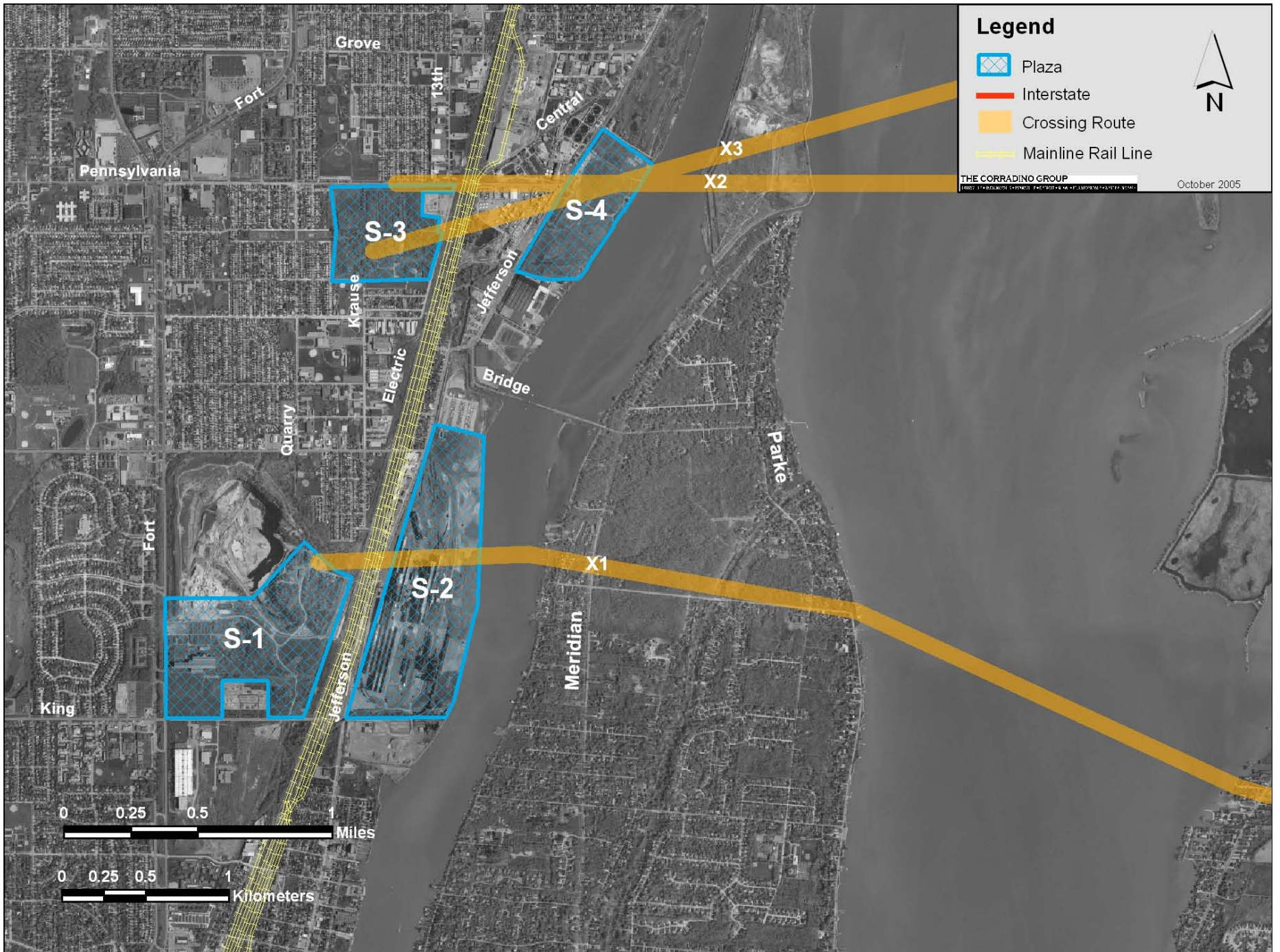
- City / Government Facilities
- Community Services
- Medical Facilities
- Places of Worship
- School
- Senior Service Facility
- State / Federal Government Facilities
- Vacant

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AN AFFILIATE OF THE CORRADINO GROUP OF COMPANIES

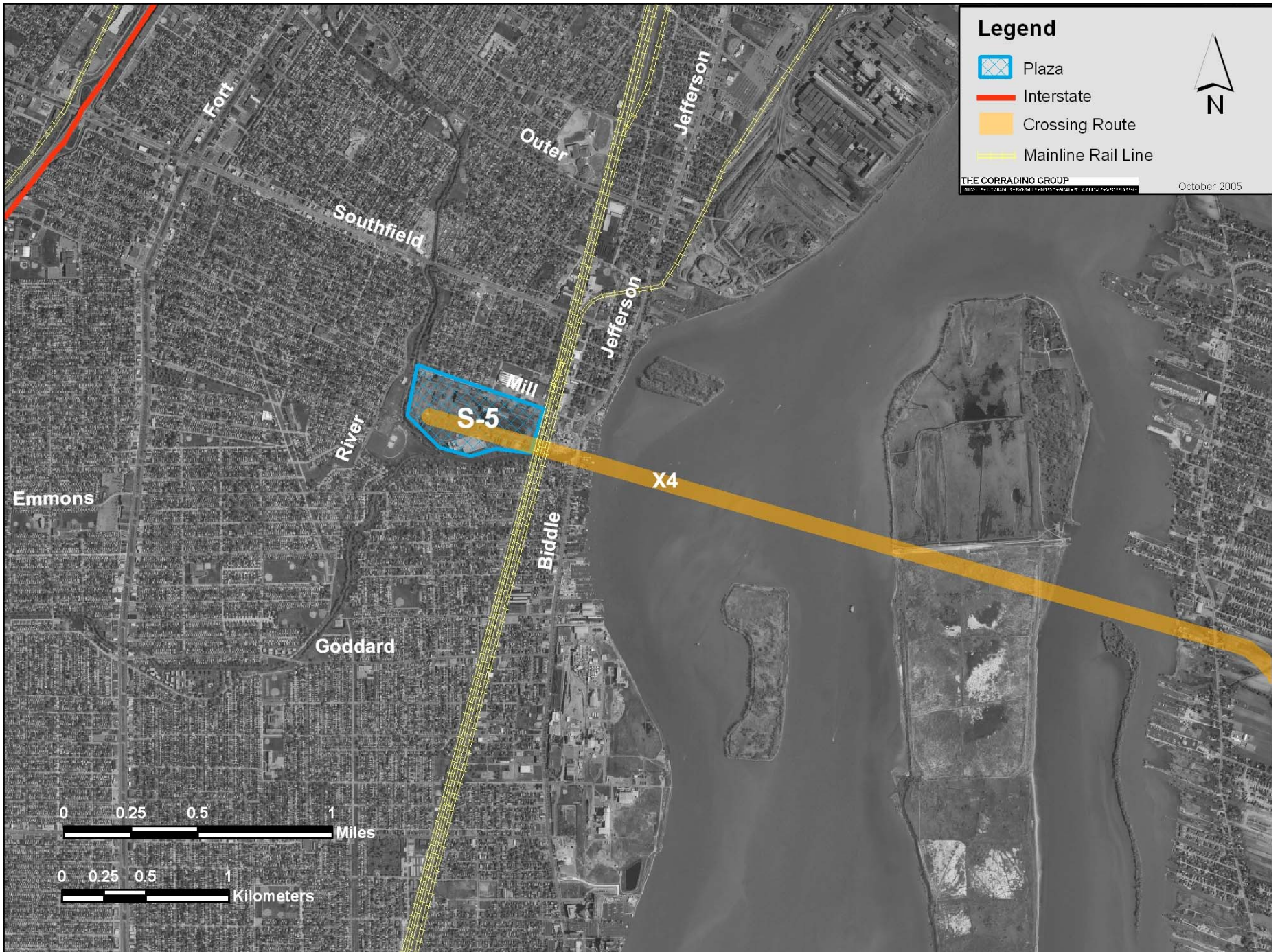
October 2005

Existing Railroads

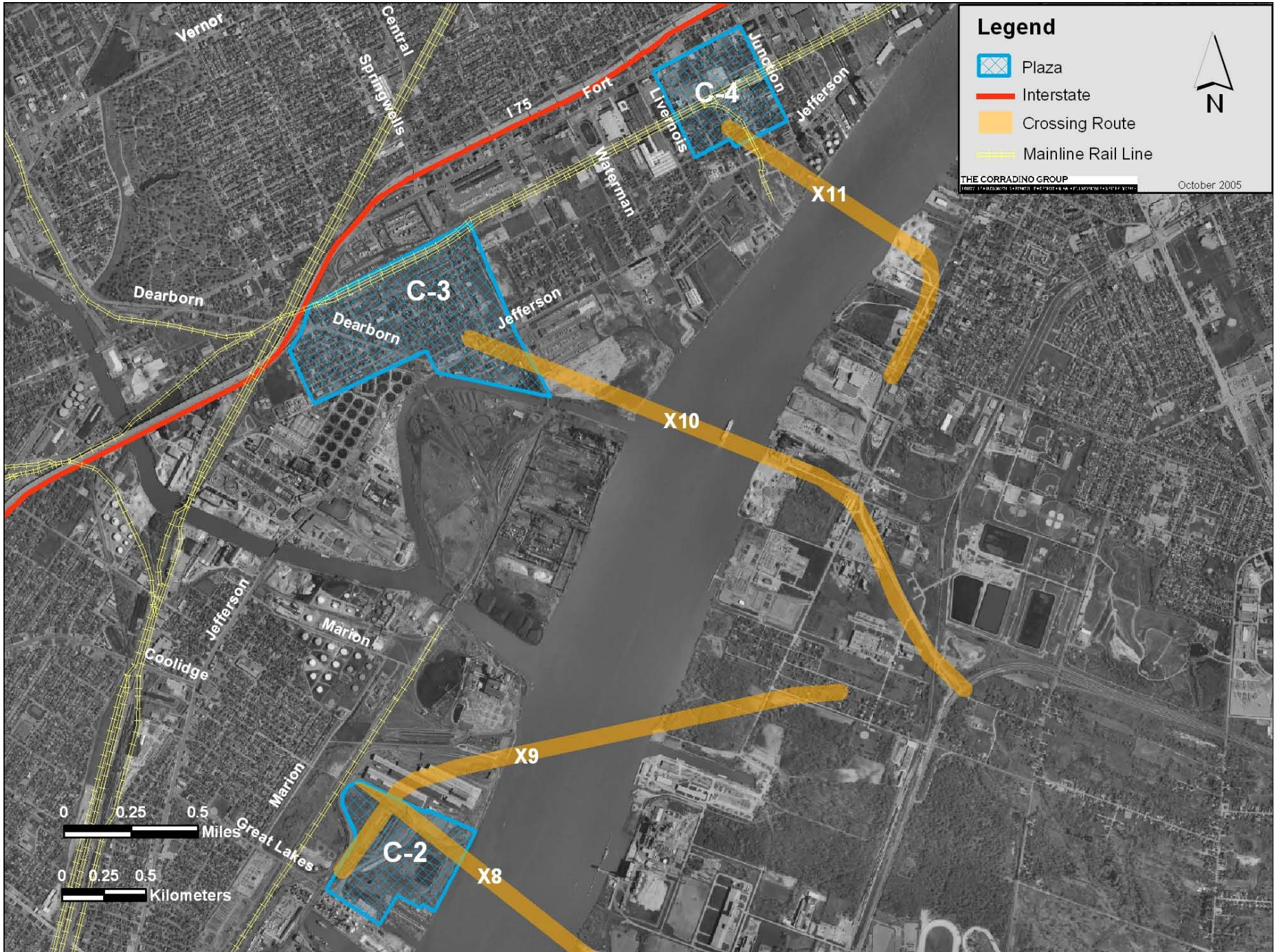
Existing Railroads S-1 through S-4



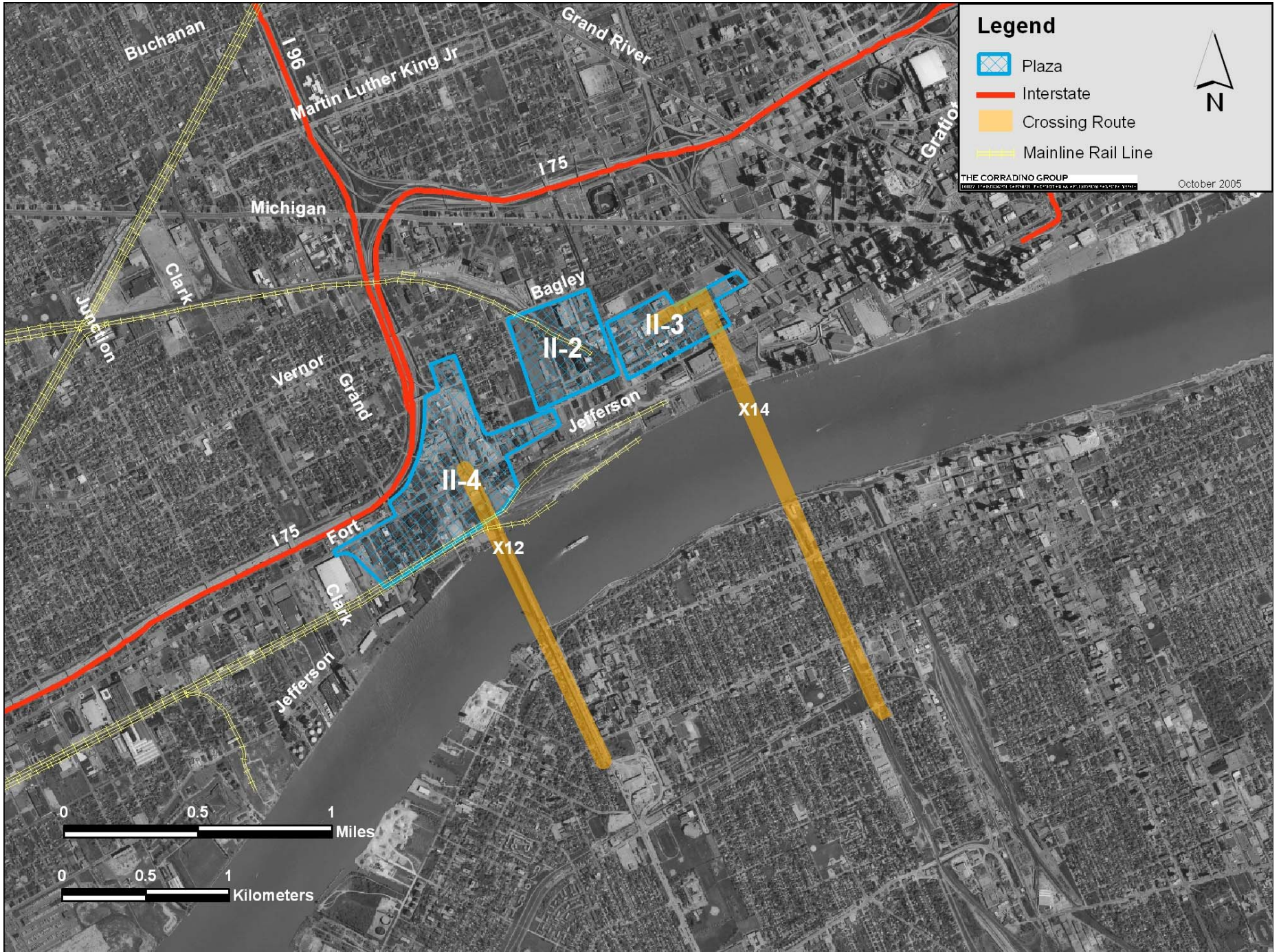
Existing Railroads S-5



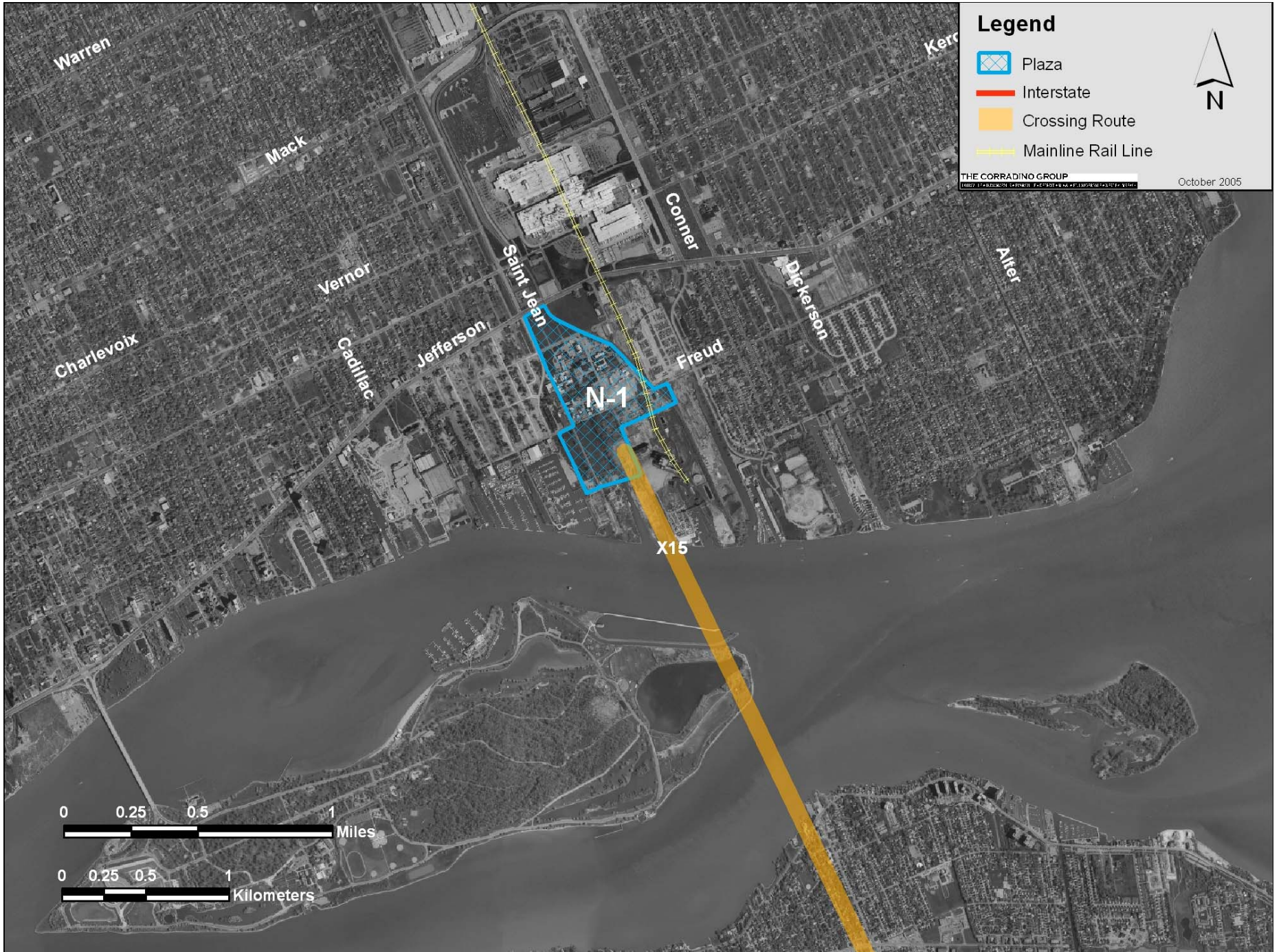
Existing Railroads C-2 through C-4



Existing Railroads II-2 through II-4



Existing Railroads N-1

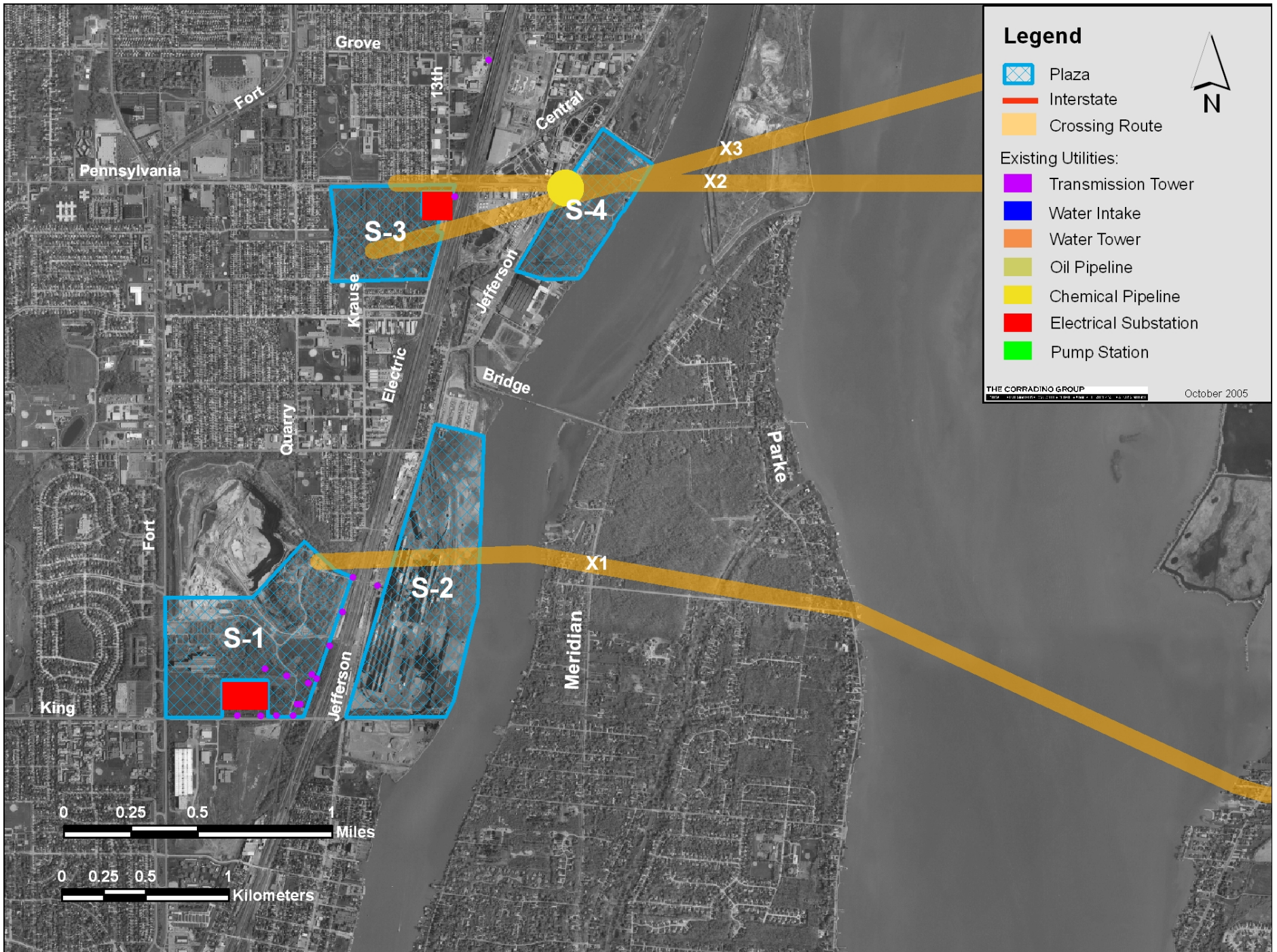


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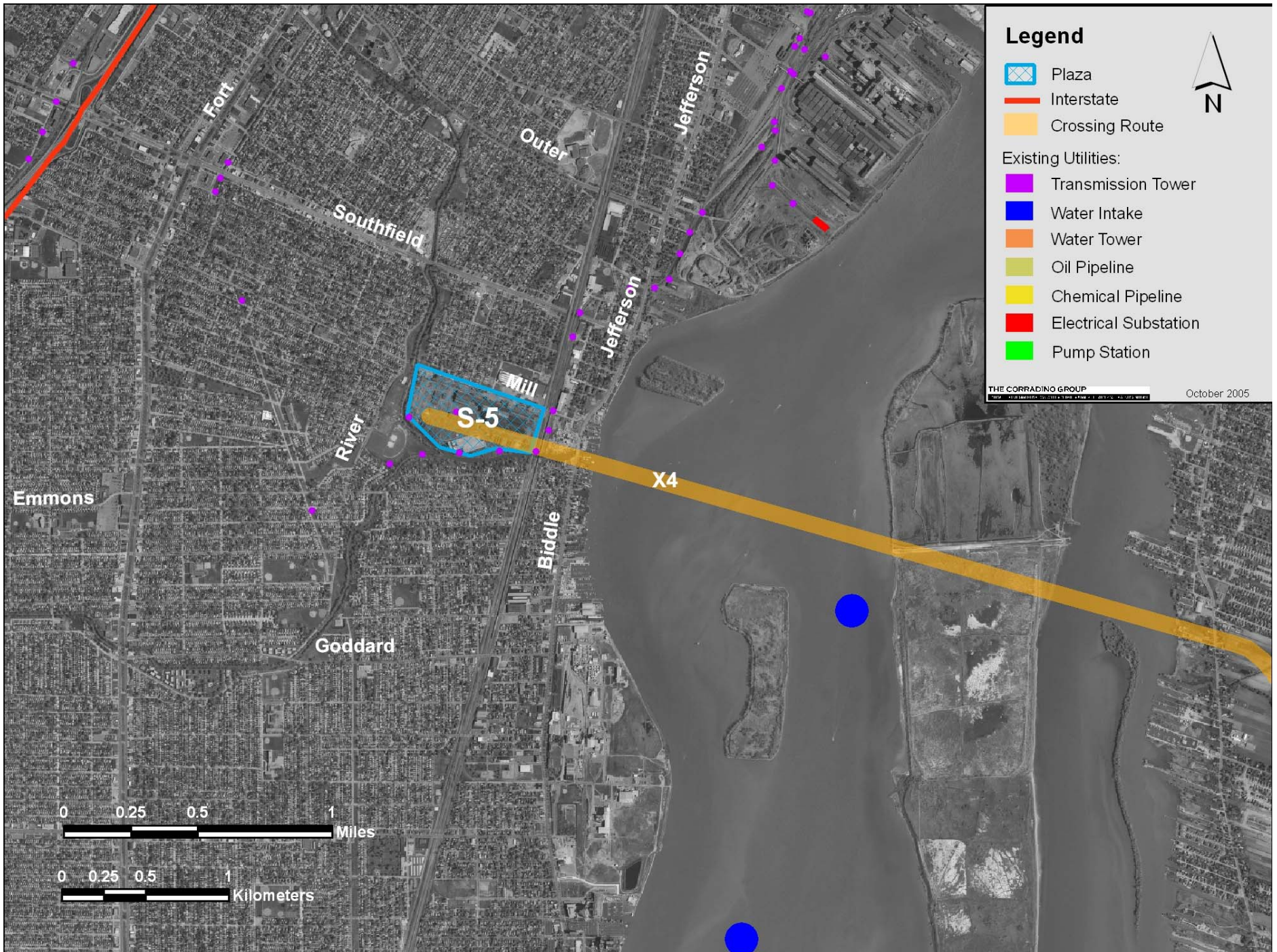
October 2005

Existing Utilities

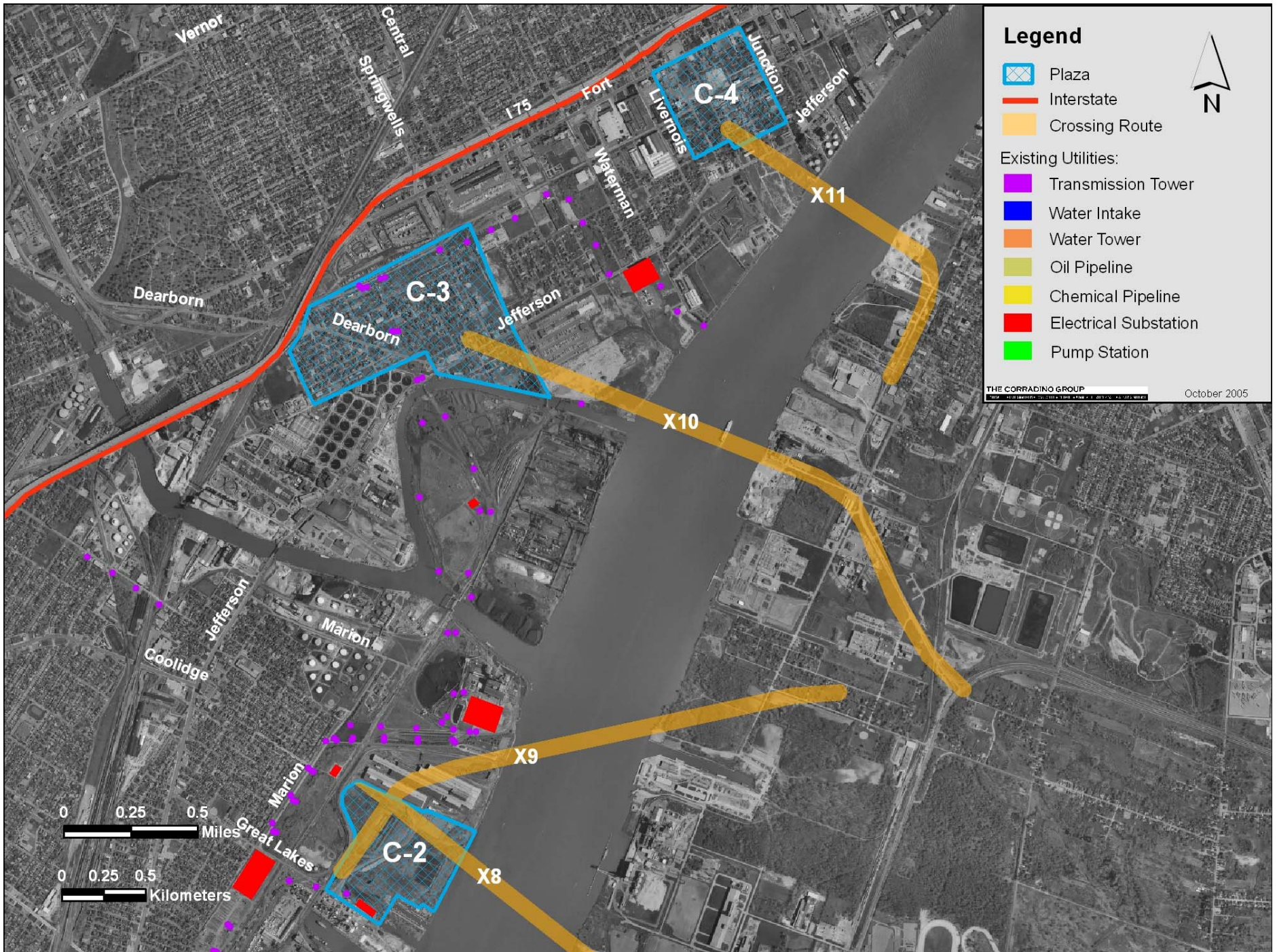
Utilities S-1 through S-4



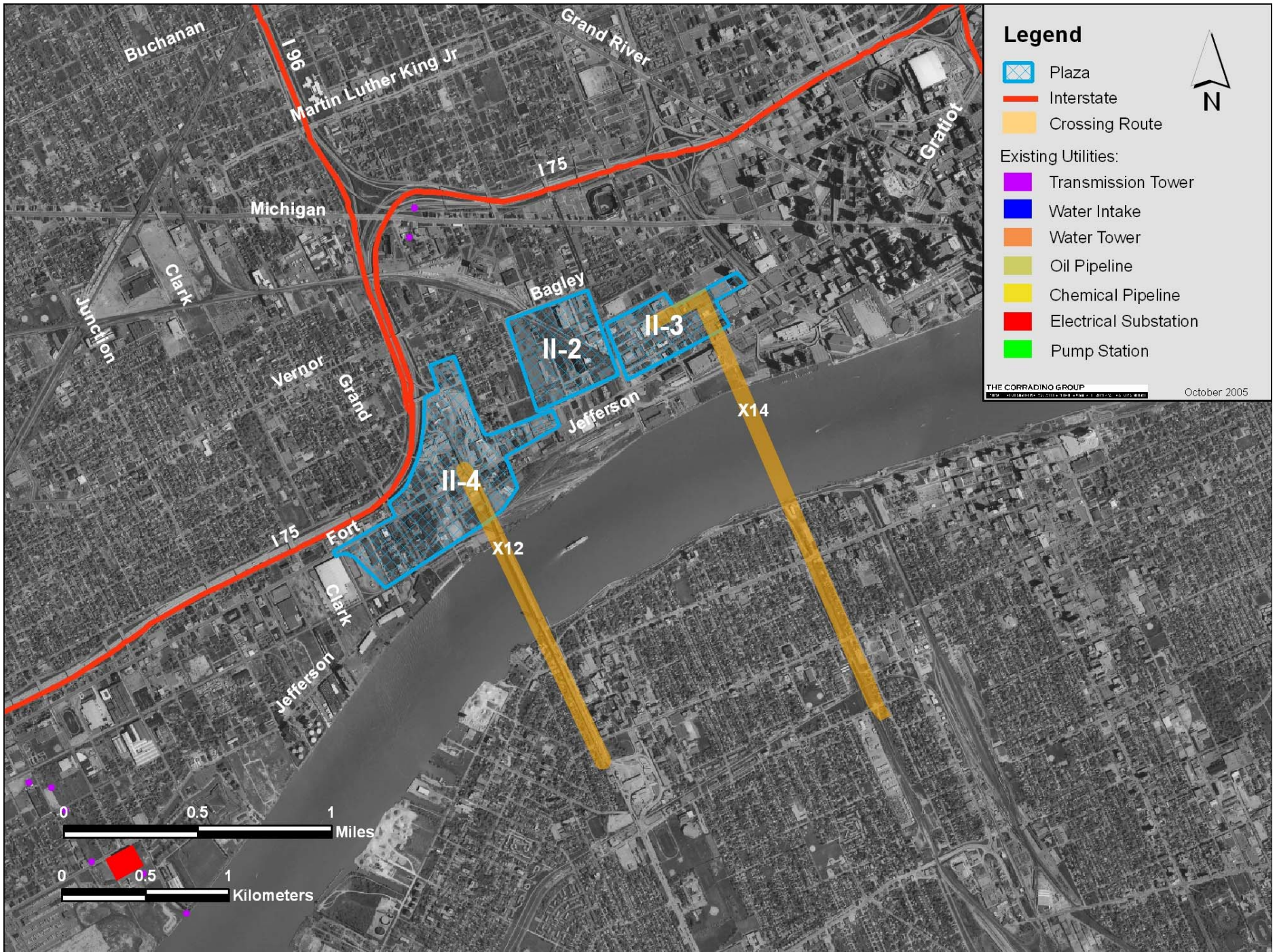
Utilities S-5



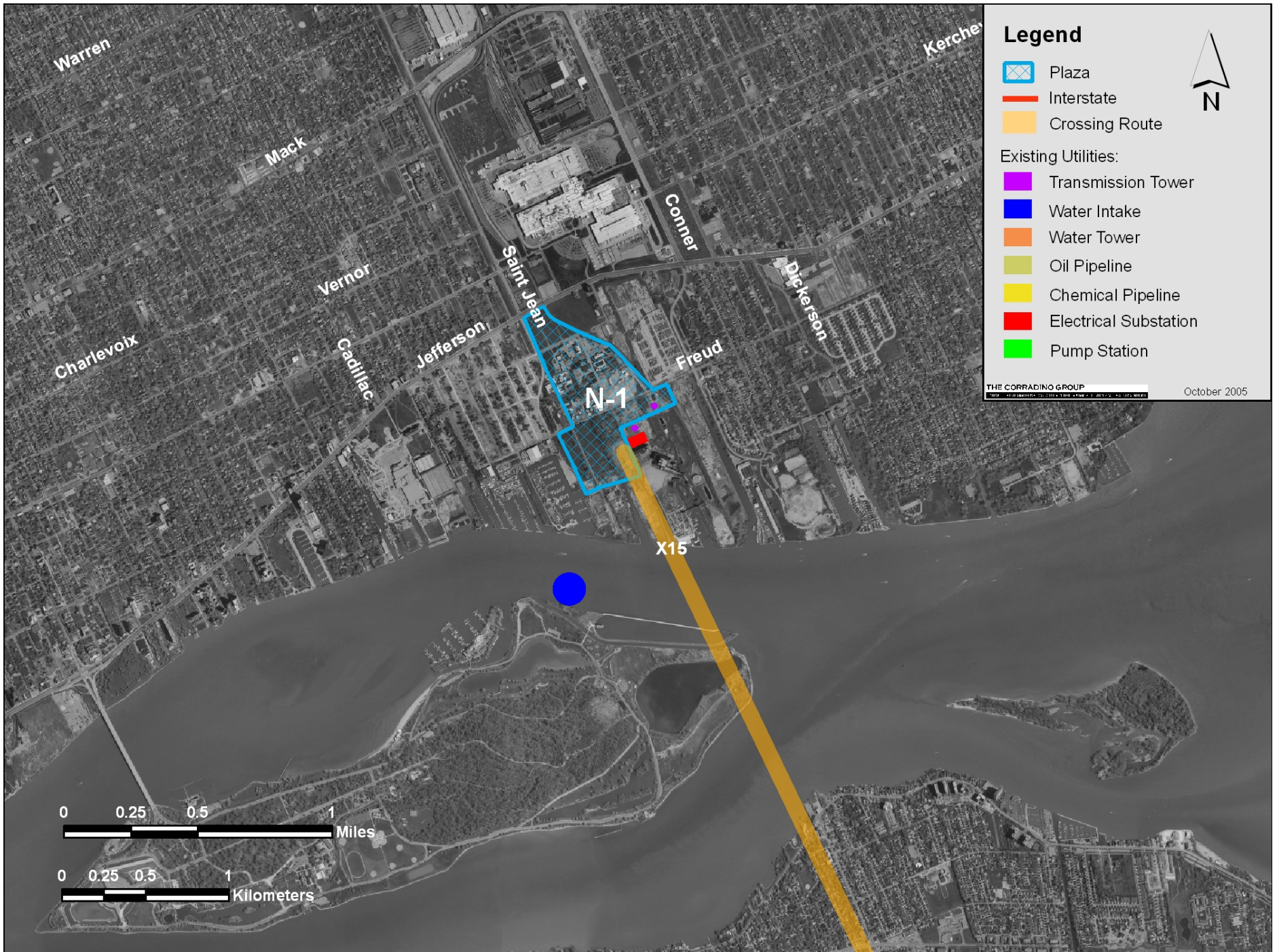
Utilities C-2 through C-4



Utilities II-2 through II-4



Utilities N-1



Presence of Heavy Industry

Heavy Industry S-1 through S-4



Heavy Industry S-5



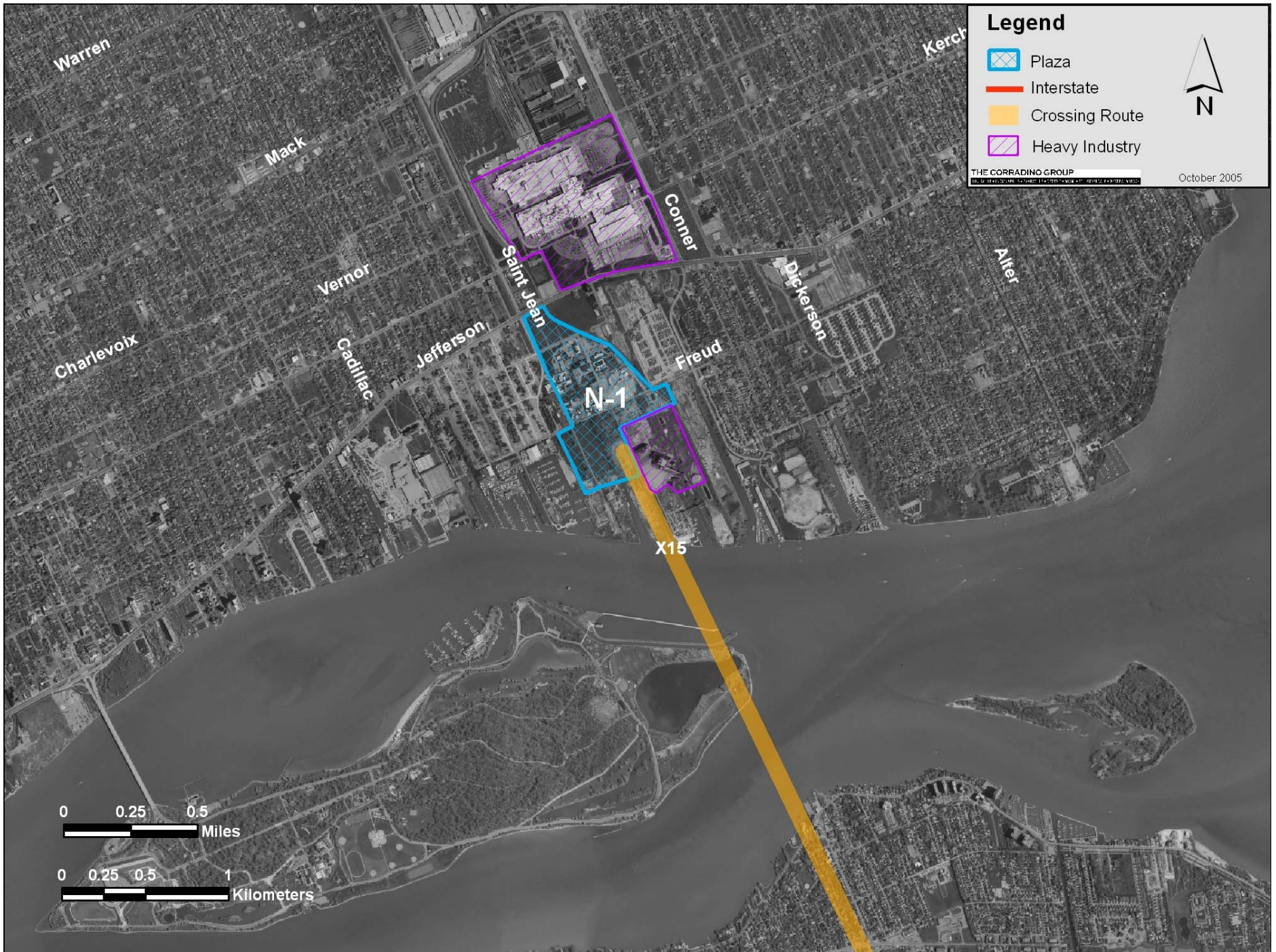
Heavy Industry C-2 through C-4



Heavy Industry II-2 through II-4

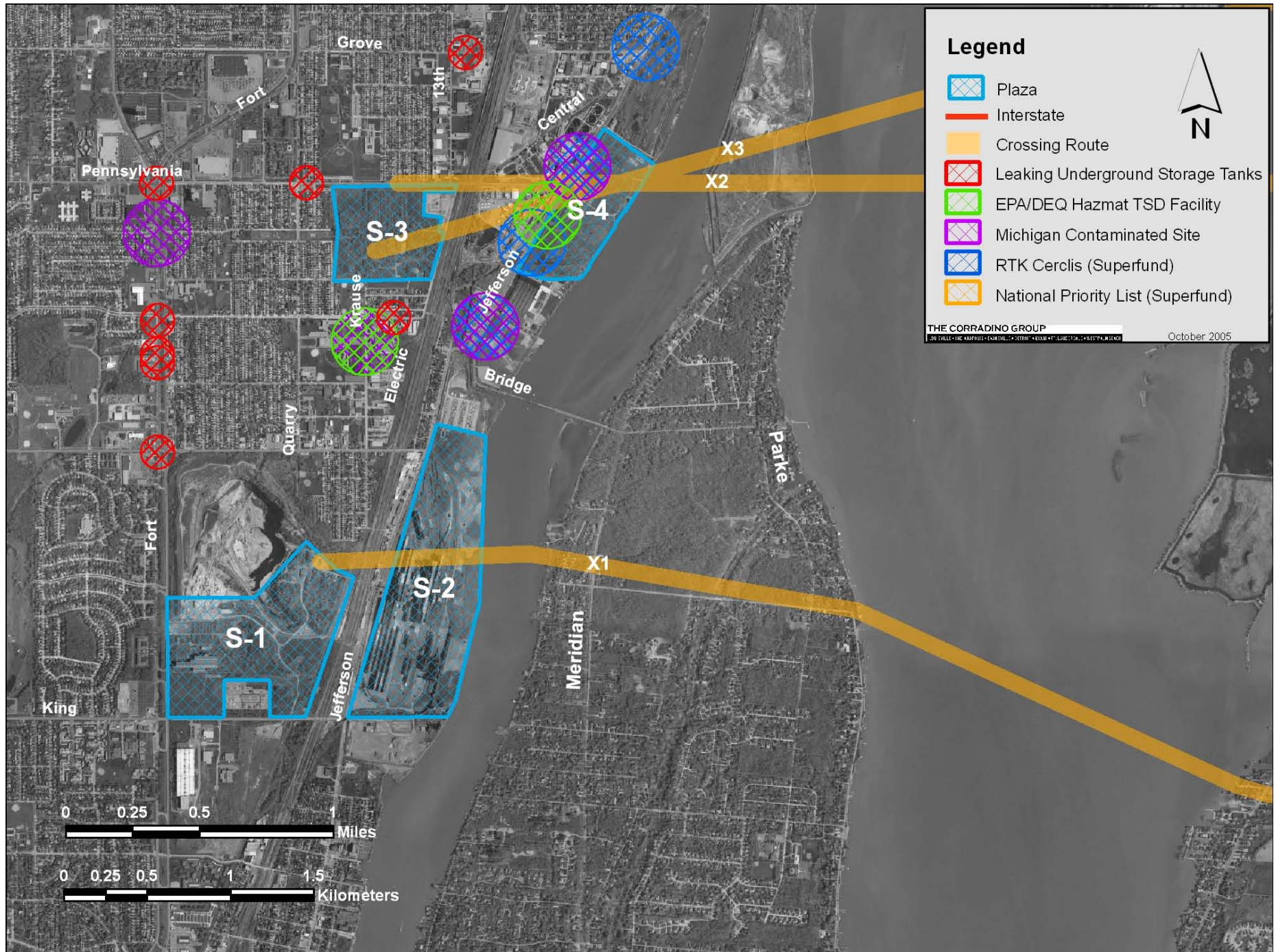


Heavy Industry N-1

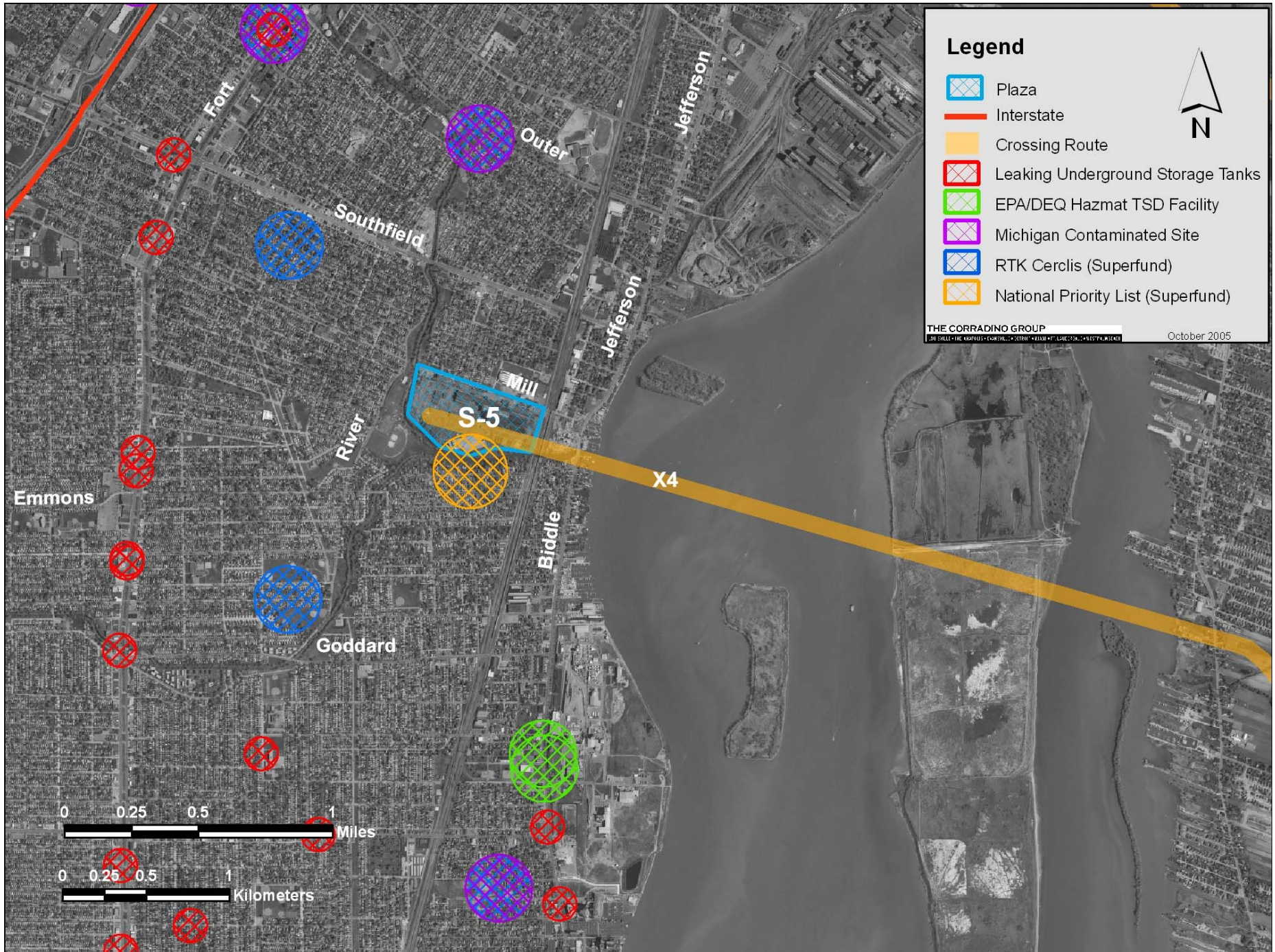


Contaminated Sites

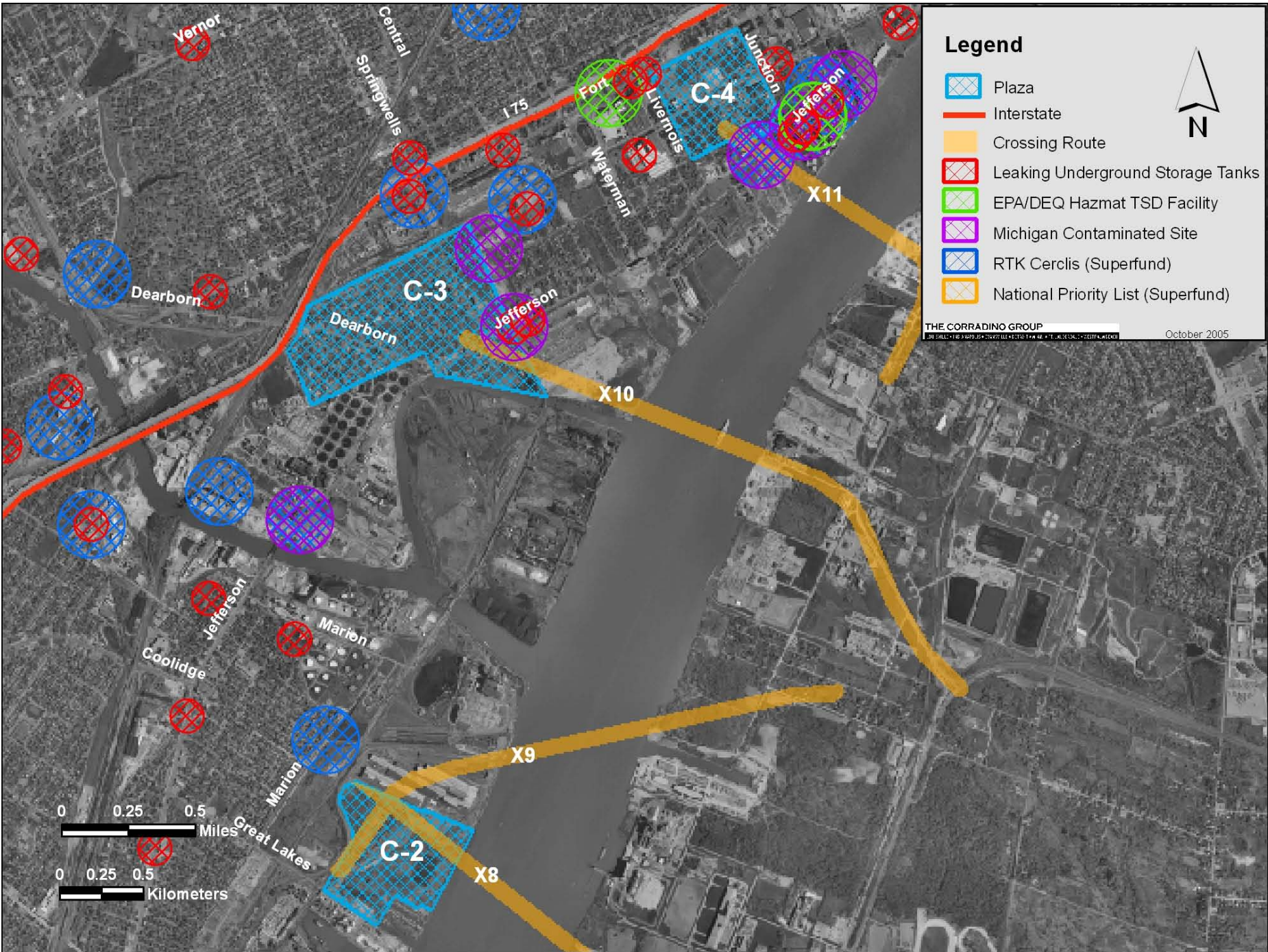
Contaminated Sites
S-1 through S-4











Contaminated Sites
S-5



Contaminated Sites
C-2 through C-4



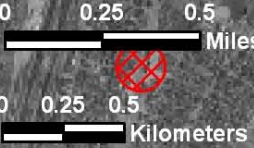
Legend

-  Plaza
-  Interstate
-  Crossing Route
-  Leaking Underground Storage Tanks
-  EPA/DEQ Hazmat TSD Facility
-  Michigan Contaminated Site
-  RTK Cerclis (Superfund)
-  National Priority List (Superfund)



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300 SHELLEY DRIVE, SUITE 100, TROY, MI 48067-1400

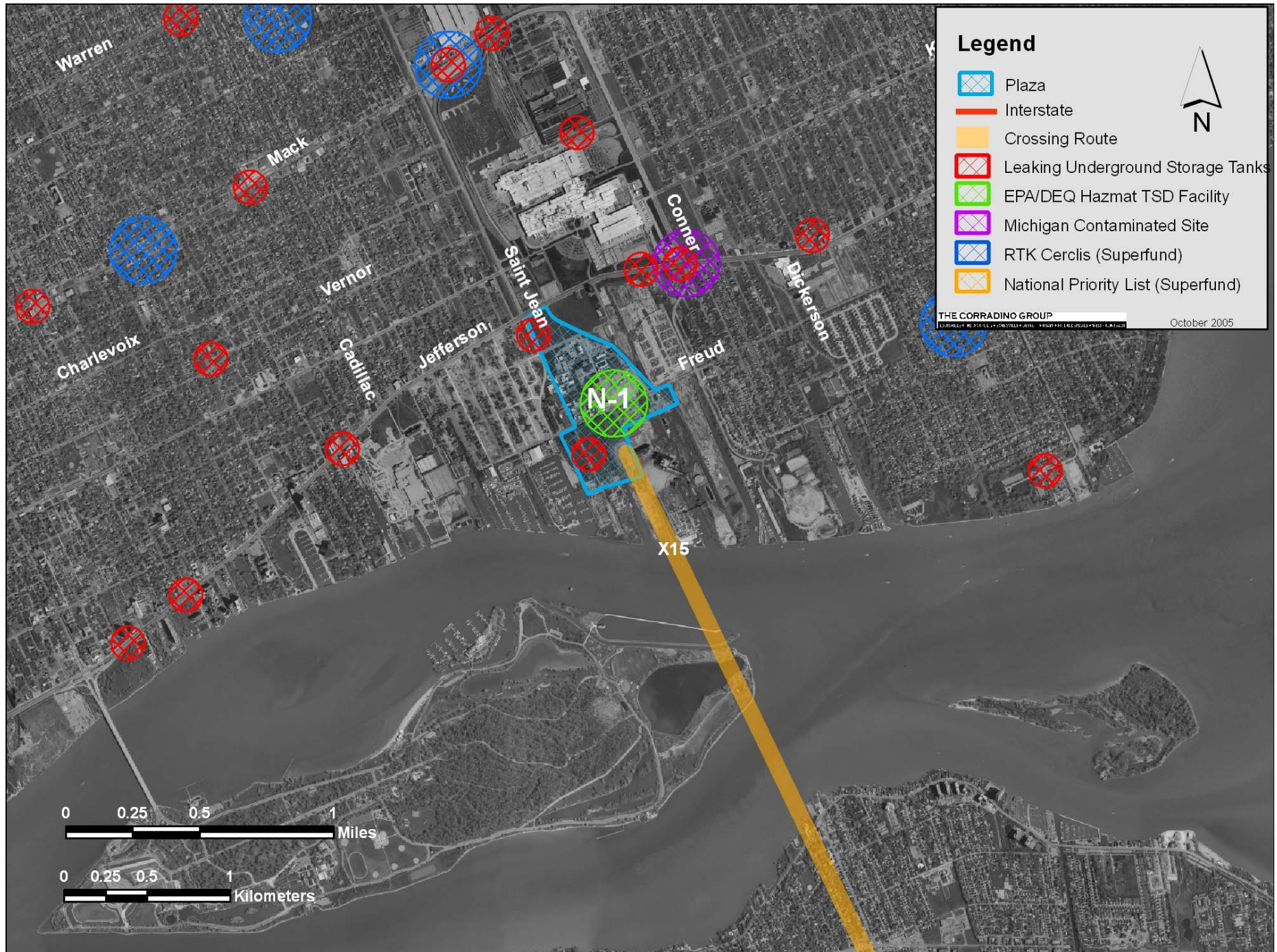
October 2005



Contaminated Sites II-2 through II-4

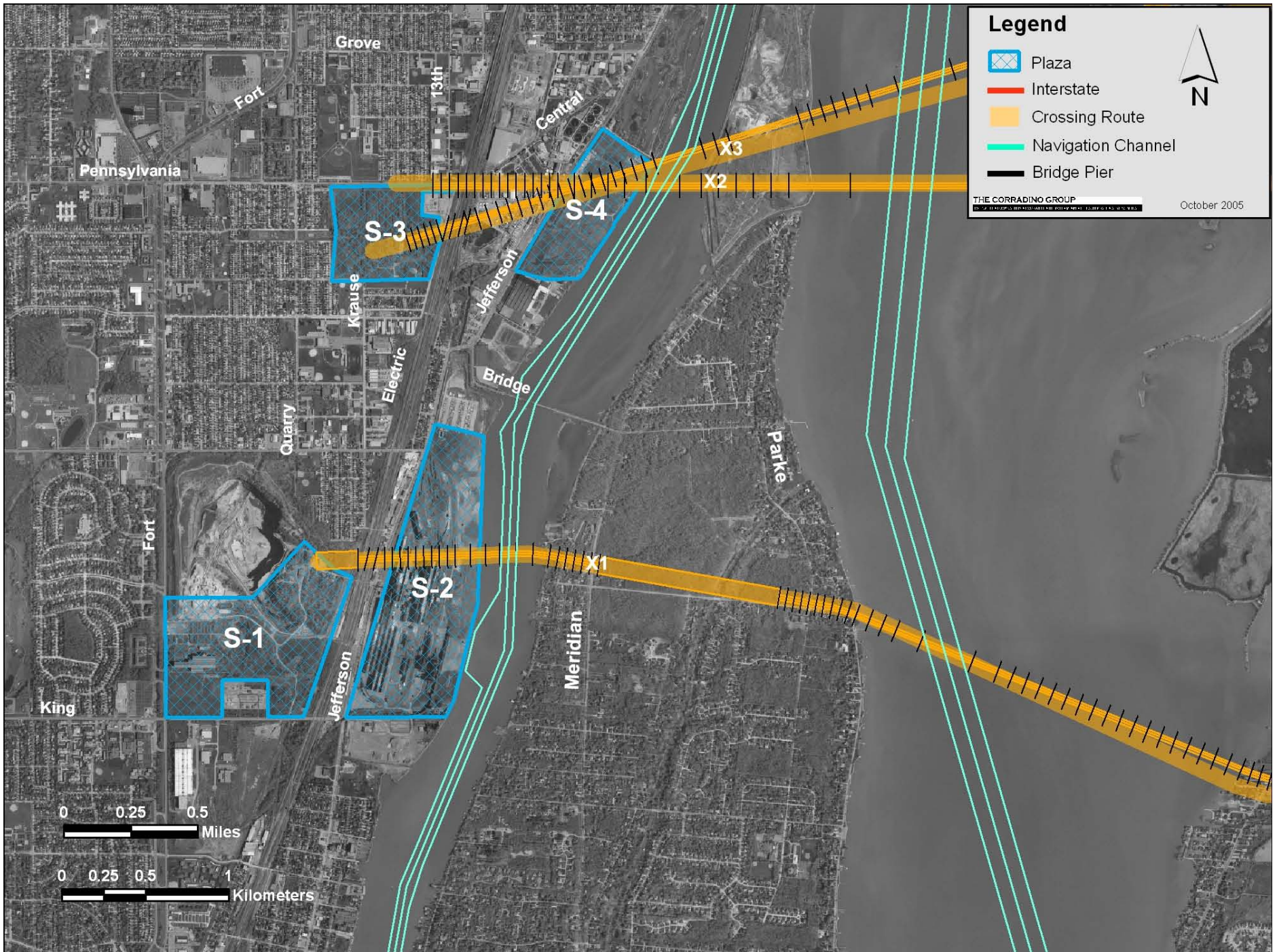


Contaminated Sites N-1

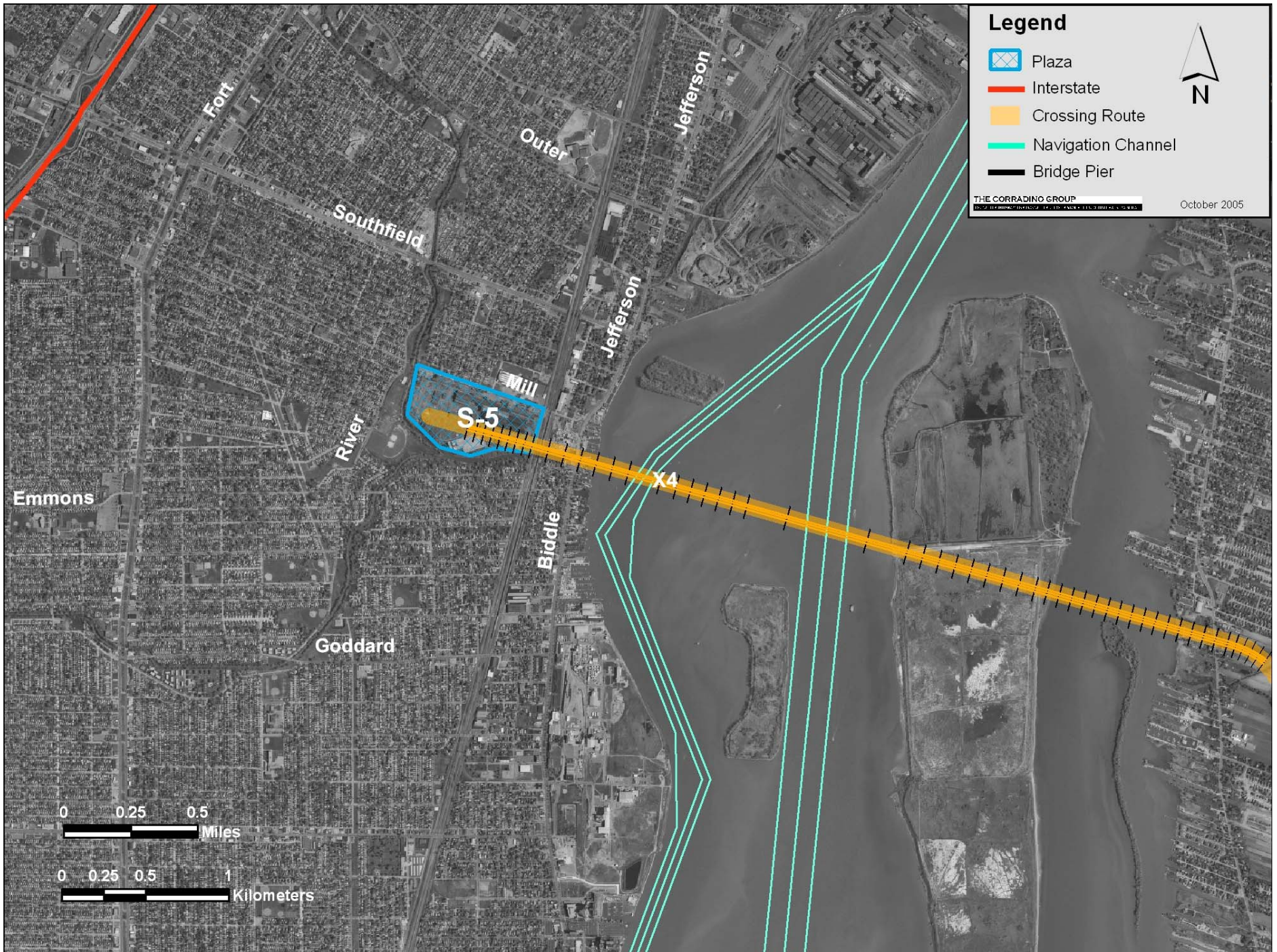


Bridge Structure and Piers

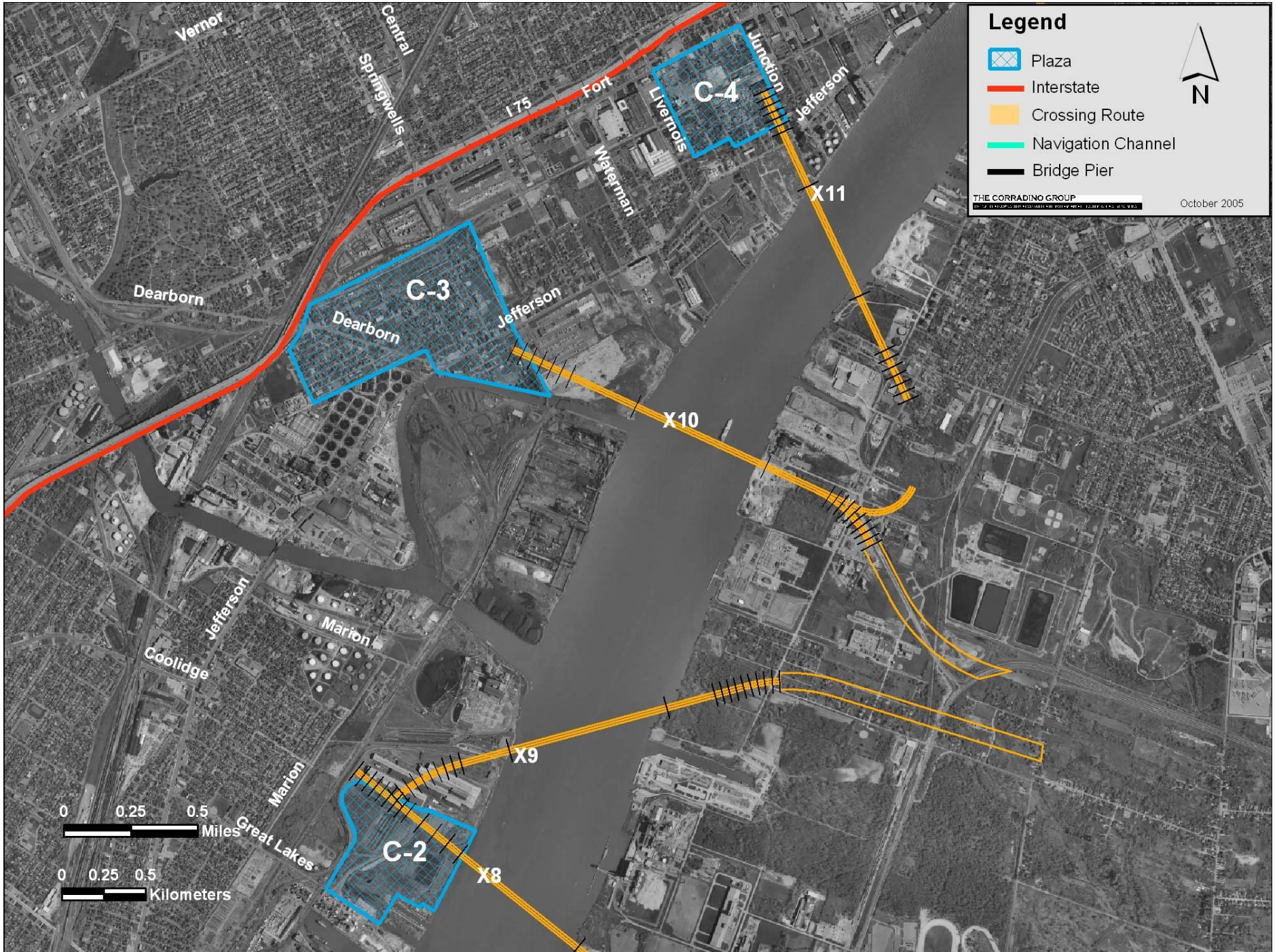
Bridge Structure and Piers S-1 through S-4



Bridge Structure and Piers S-5



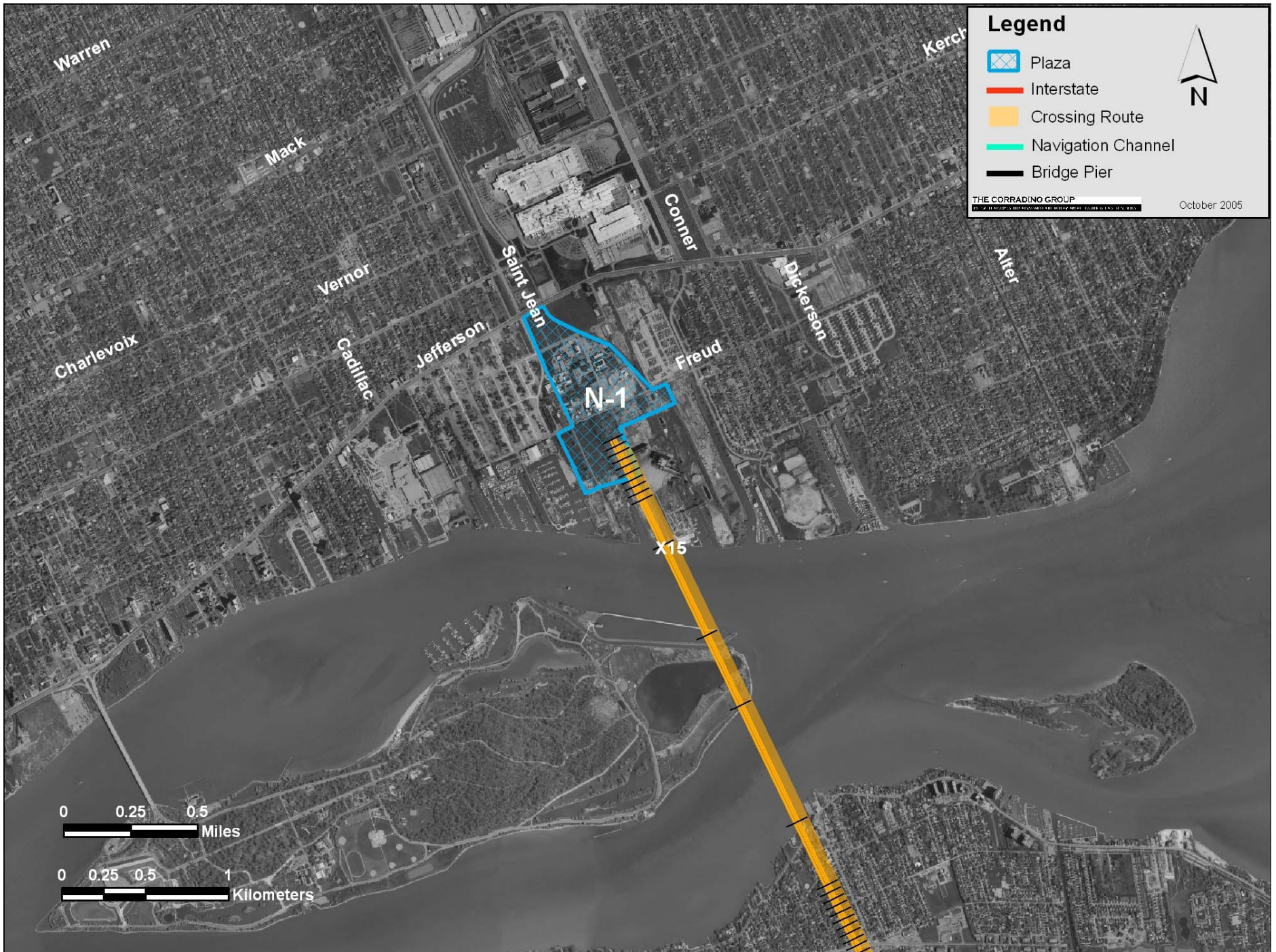
Bridge Structure and Piers C-2 through C-4



Bridge Structure and Piers II-2 through II-4



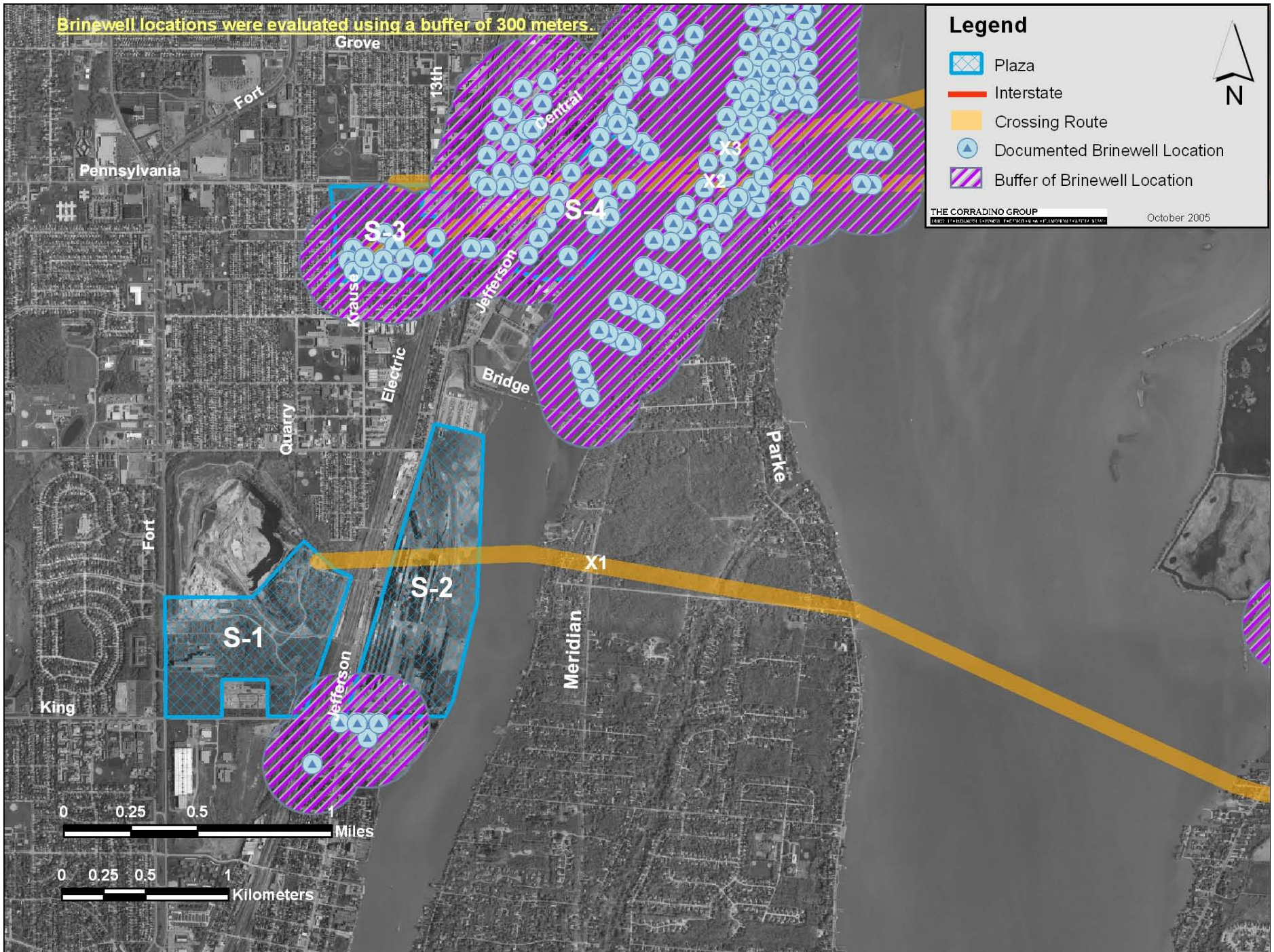
Bridge Structure and Piers N-1



Solution Mining

Solution Mining S-1 through S-4

Brinewell locations were evaluated using a buffer of 300 meters.

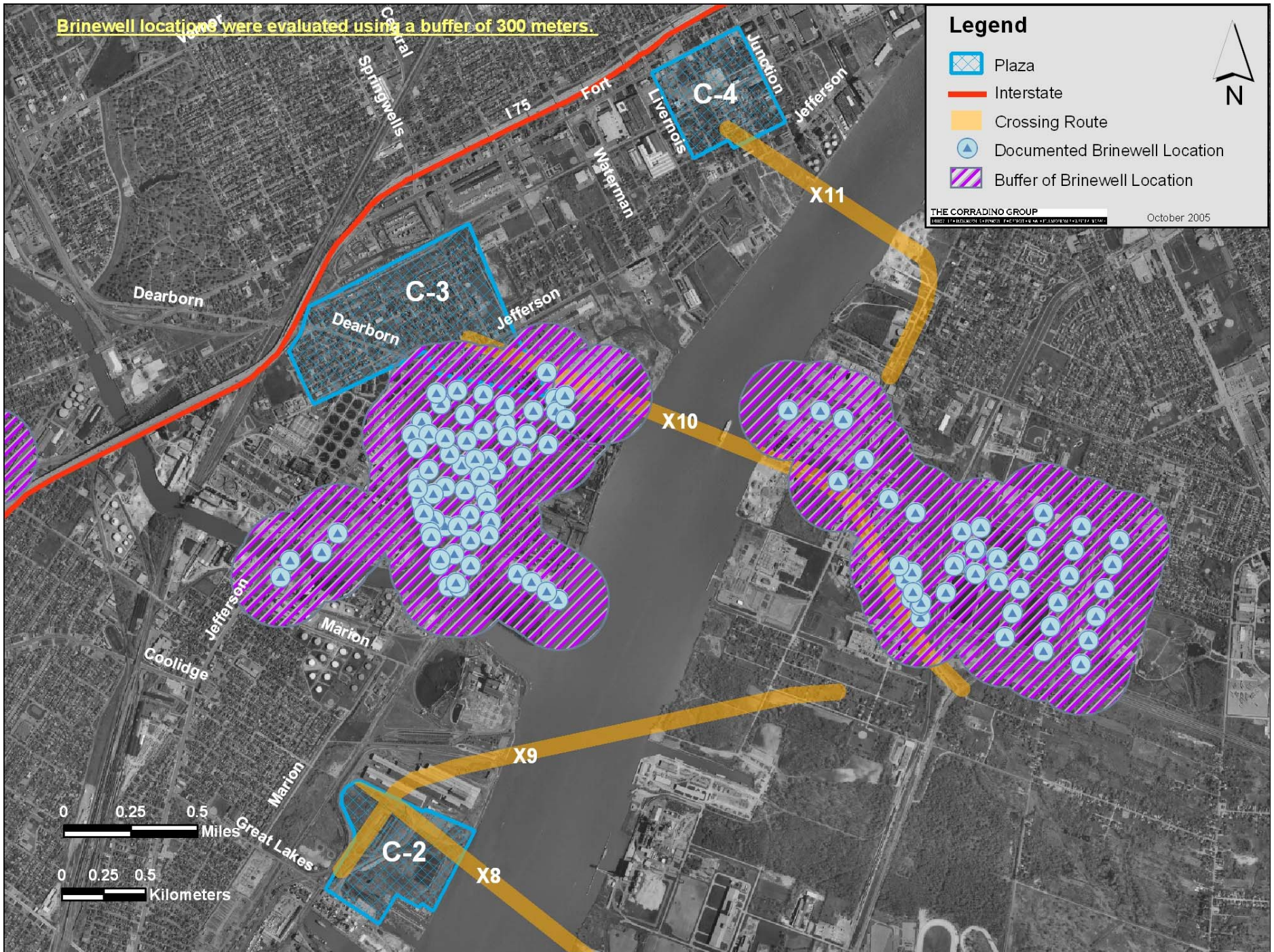


Solution Mining
S-5



Solution Mining C-2 through C-4

Brinewell locations were evaluated using a buffer of 300 meters.



Solution Mining II-2 through II-4



Solution Mining
N-1

