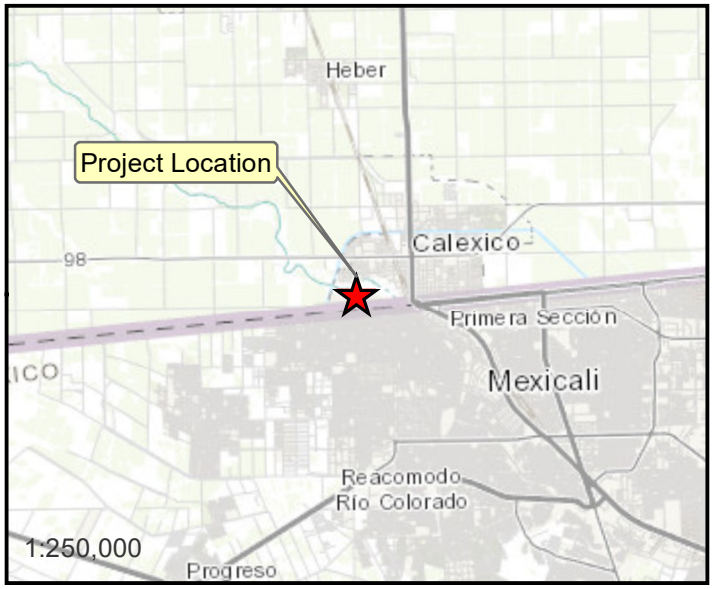
ATTACHMENT A

Figures

Blackhawk Environmental



Legend

Survey Area

N

0 1,000 2,000

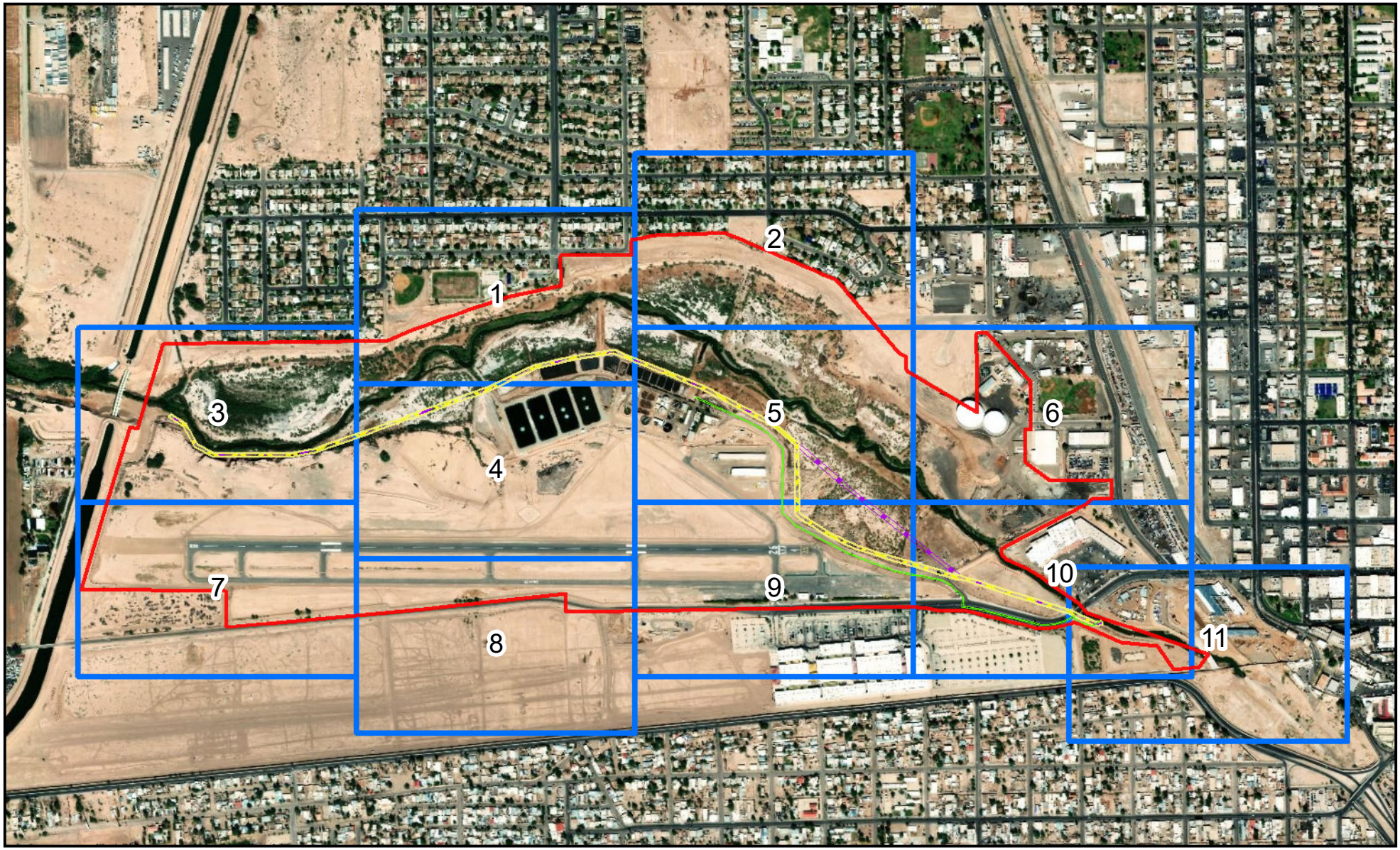
Feet

Figure 1

Project Location & Vicinity Map

Name: 20733 p168 Fig 1 Loc & Vicin.Mxd
Print Date: 10/24/2018, Author: msimmons

Blackhawk Environmental



Legend

- Survey Area
- Bypass Encasement Preferred Alignment – Limit of Disturbance
- Bypass Encasement Optional Alignment – Limit of Disturbance
- Pump Back Line Preferred Alignment
- Map Page

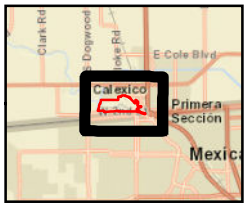


Figure 2

Vegetation Communities

Overview Map

N

0 525 1,050 Feet

Name: 20733 p168 Fig 2 Veg Comm.Mxd
Print Date: 10/23/2018, Author: msimmons

BLACKHAWK Environmental

Legend

- Survey Area
- Bypass Encasement Preferred Alignment – Limit of Disturbance
- Bypass Encasement Optional Alignment – Limit of Disturbance

Vegetation Community

- 1- Open Water
- 2- Disturbed
- 3- Developed
- 4- Disturbed Riparian Scrub
- 5- Desert Sink Scrub
- 6- Disturbed Desert Sink Scrub
- 9- Disturbed Big Saltbush Scrub
- 11- Arrowweed Scrub
- 12- Salt Pan

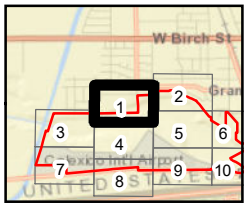


Figure 2

Vegetation Communities

Map 1

N

0 100 200 Feet

Name: 20733 p168 Fig 2 Veg Comm.Mxd
Print Date: 10/23/2018, Author: msimmons

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Legend

- Survey Area

Vegetation Community

- 1- Open Water
- 2- Disturbed
- 4- Disturbed Riparian Scrub
- 5- Desert Sink Scrub
- 6- Disturbed Desert Sink Scrub
- 9- Disturbed Big Saltbush Scrub
- 11- Arrowweed Scrub
- 12- Salt Pan

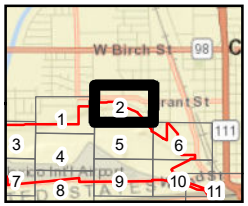


Figure 2

Vegetation Communities

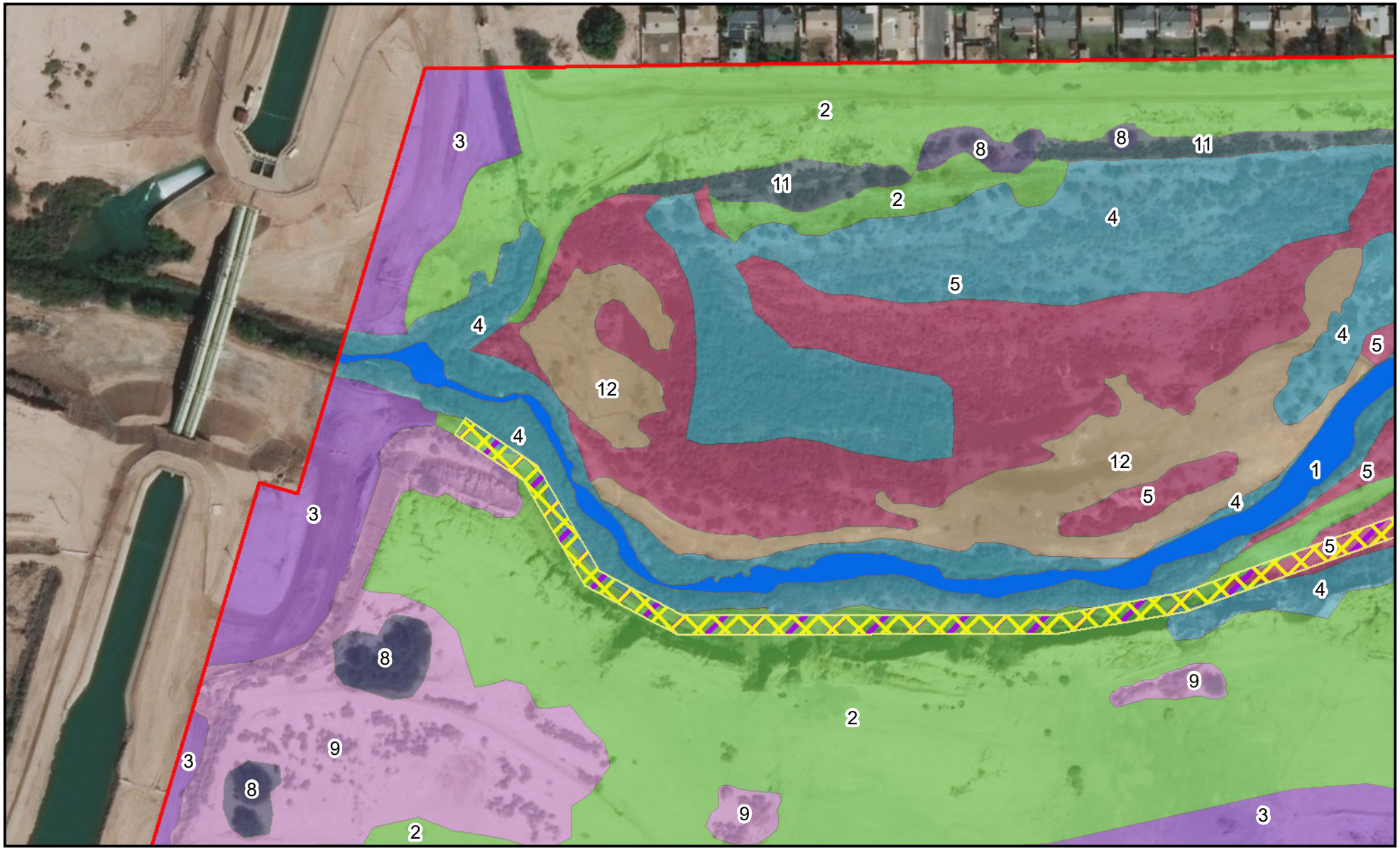
Map 2

N

0 100 200 Feet

Name: 20733 p168 Fig 2 Veg Comm.Mxd
Print Date: 10/23/2018, Author: msimmons

Blackhawk Environmental



Legend

- Survey Area
- Bypass Encasement Preferred Alignment – Limit of Disturbance
- Bypass Encasement Optional Alignment – Limit of Disturbance

Vegetation Community

- 1- Open Water
- 2- Disturbed
- 3- Developed
- 4- Disturbed Riparian Scrub
- 5- Desert Sink Scrub
- 8- Mesquite Bosque
- 9- Disturbed Big Saltbush Scrub
- 11- Arrowweed Scrub
- 12- Salt Pan

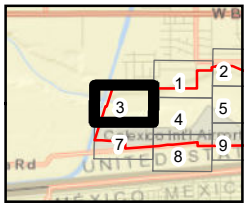


Figure 2

Vegetation Communities

Map 3

N

0 100 200 Feet

Name: 20733 p168 Fig 2 Veg Comm.Mxd
Print Date: 10/23/2018, Author: msimmons

Blackhawk Environmental

Legend

- Survey Area
- Bypass Encasement Preferred Alignment – Limit of Disturbance
- Bypass Encasement Optional Alignment – Limit of Disturbance

Vegetation Community

- 1- Open Water
- 2- Disturbed
- 3- Developed
- 4- Disturbed Riparian Scrub
- 5- Desert Sink Scrub
- 6- Disturbed Desert Sink Scrub
- 7- Bush Seepweed Scrub
- 13- Unvegetated Channel

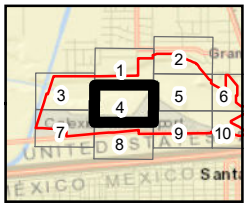


Figure 2

Vegetation Communities

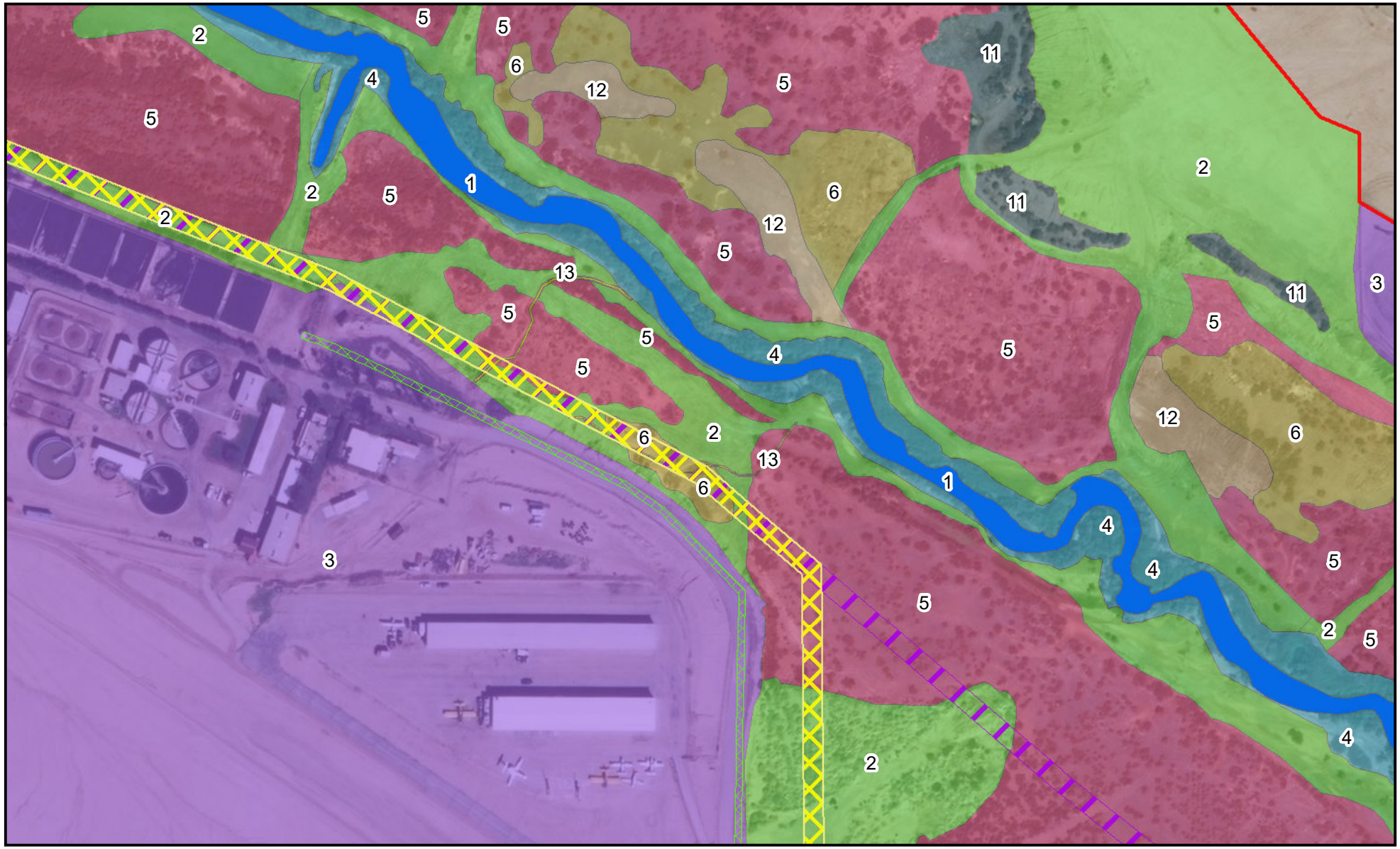
Map 4

N

0 100 200 Feet

Name: 20733 p168 Fig 2 Veg Comm.Mxd
Print Date: 10/23/2018, Author: msimmons

Blackhawk Environmental



Legend

- Survey Area
- Bypass Encasement Preferred Alignment – Limit of Disturbance
- Bypass Encasement Optional Alignment – Limit of Disturbance
- Pump Back Line Preferred Alignment

Vegetation Community

- 1- Open Water
- 2- Disturbed
- 3- Developed
- 4- Disturbed Riparian Scrub
- 5- Desert Sink Scrub
- 6- Disturbed Desert Sink Scrub
- 11- Arrowweed Scrub
- 12- Salt Pan
- 13- Unvegetated Channel

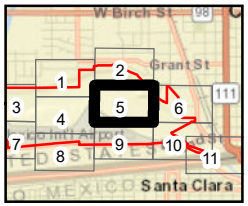


Figure 2

Vegetation Communities

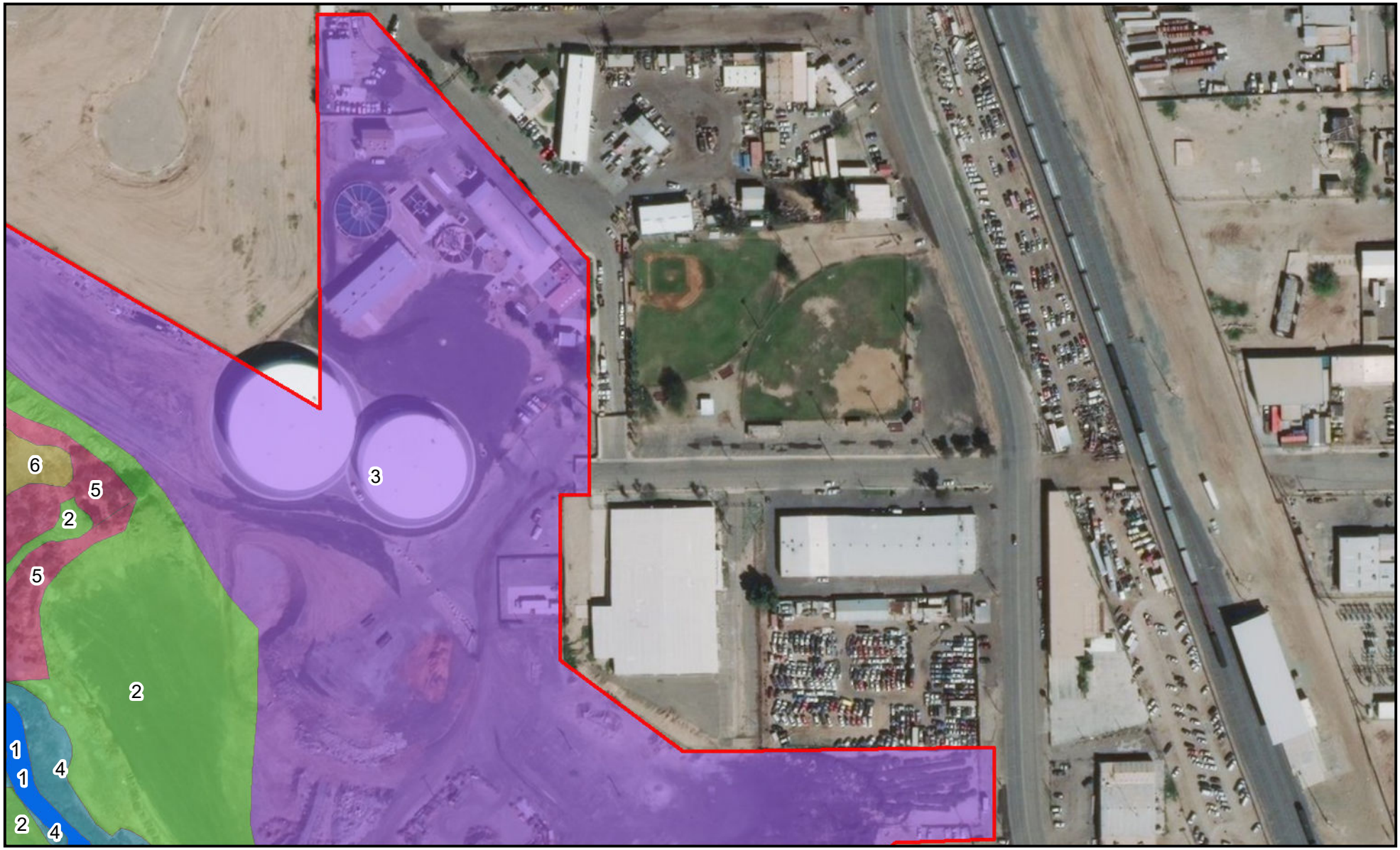
Map 5

N

0 100 200 Feet

Name: 20733 p168 Fig 2 Veg Comm.Mxd
Print Date: 10/23/2018, Author: msimmons

Blackhawk Environmental



Legend

- Survey Area

Vegetation Community

- 1- Open Water
- 2- Disturbed
- 3- Developed
- 4- Disturbed Riparian Scrub
- 5- Desert Sink Scrub
- 6- Disturbed Desert Sink Scrub

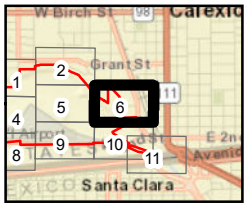


Figure 2

Vegetation Communities

Map 6

N

0 100 200 Feet

Name: 20733 p168 Fig 2 Veg Comm.Mxd
Print Date: 10/23/2018, Author: msimmons

Blackhawk Environmental

Legend

Survey Area

Vegetation Community

2- Disturbed

3- Developed

9- Disturbed Big Saltbush Scrub

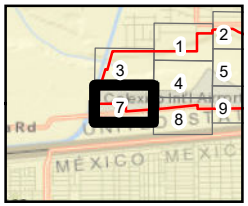


Figure 2

Vegetation Communities

Map 7

N

0 100 200 Feet

Name: 20733 p168 Fig 2 Veg Comm.Mxd
Print Date: 10/23/2018, Author: msimmons

Blackhawk Environmental

Legend

Survey Area

Vegetation Community

3- Developed

10- Non-native Grassland

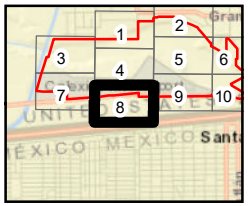


Figure 2

Vegetation Communities

Map 8

N

0 100 200 Feet

Name: 20733 p168 Fig 2 Veg Comm.Mxd
Print Date: 10/23/2018, Author: msimmons

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Legend

- Survey Area
- Bypass Encasement Preferred Alignment – Limit of Disturbance
- Bypass Encasement Optional Alignment – Limit of Disturbance
- Pump Back Line Preferred Alignment

Vegetation Community

- 2- Disturbed
- 3- Developed
- 5- Desert Sink Scrub

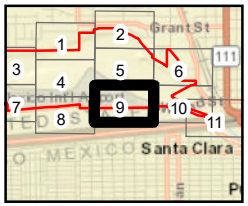

Figure 2

Vegetation Communities

Map 9

N

0 100 200 Feet

Name: 20733 p168 Fig 2 Veg Comm.Mxd
Print Date: 10/23/2018, Author: msimmons

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Legend

- Survey Area
- Bypass Encasement Preferred Alignment – Limit of Disturbance
- Bypass Encasement Optional Alignment – Limit of Disturbance
- Pump Back Line Preferred Alignment

Vegetation Community

- 1- Open Water
- 2- Disturbed
- 3- Developed
- 4- Disturbed Riparian Scrub
- 5- Desert Sink Scrub

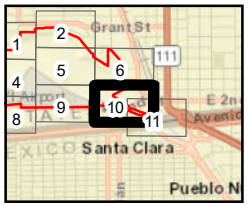


Figure 2

Vegetation Communities

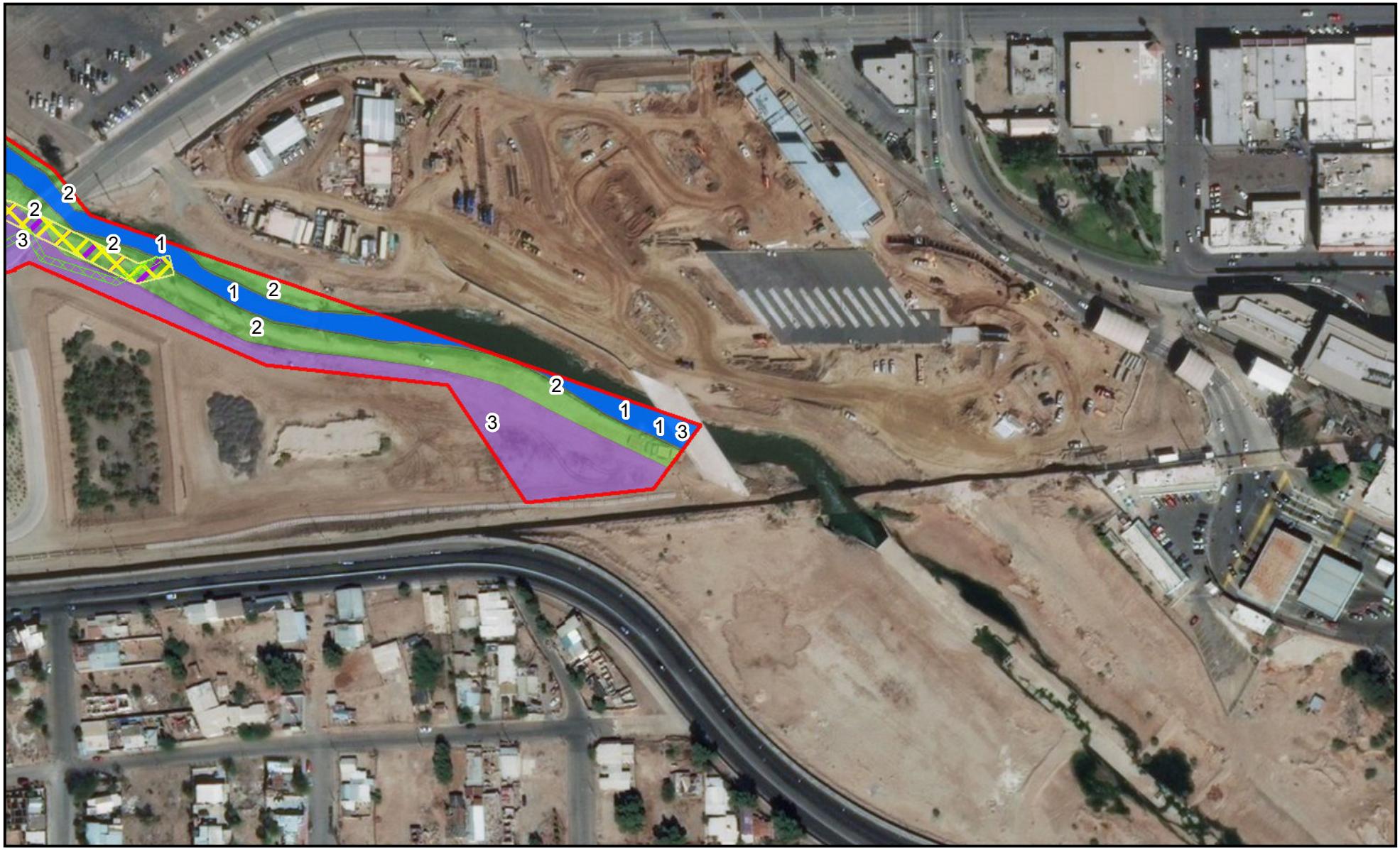
Map 10

N

0 100 200 Feet

Name: 20733 p168 Fig 2 Veg Comm.Mxd
Print Date: 10/23/2018, Author: msimmons

Blackhawk Environmental



Legend

- Survey Area
- Bypass Encasement Preferred Alignment – Limit of Disturbance
- Bypass Encasement Optional Alignment – Limit of Disturbance
- Pump Back Line Preferred Alignment

Vegetation Community

- 1- Open Water
- 2- Disturbed
- 3- Developed

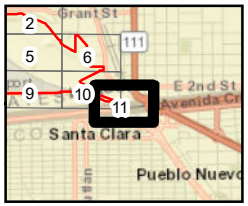


Figure 2

Vegetation Communities

Map 11

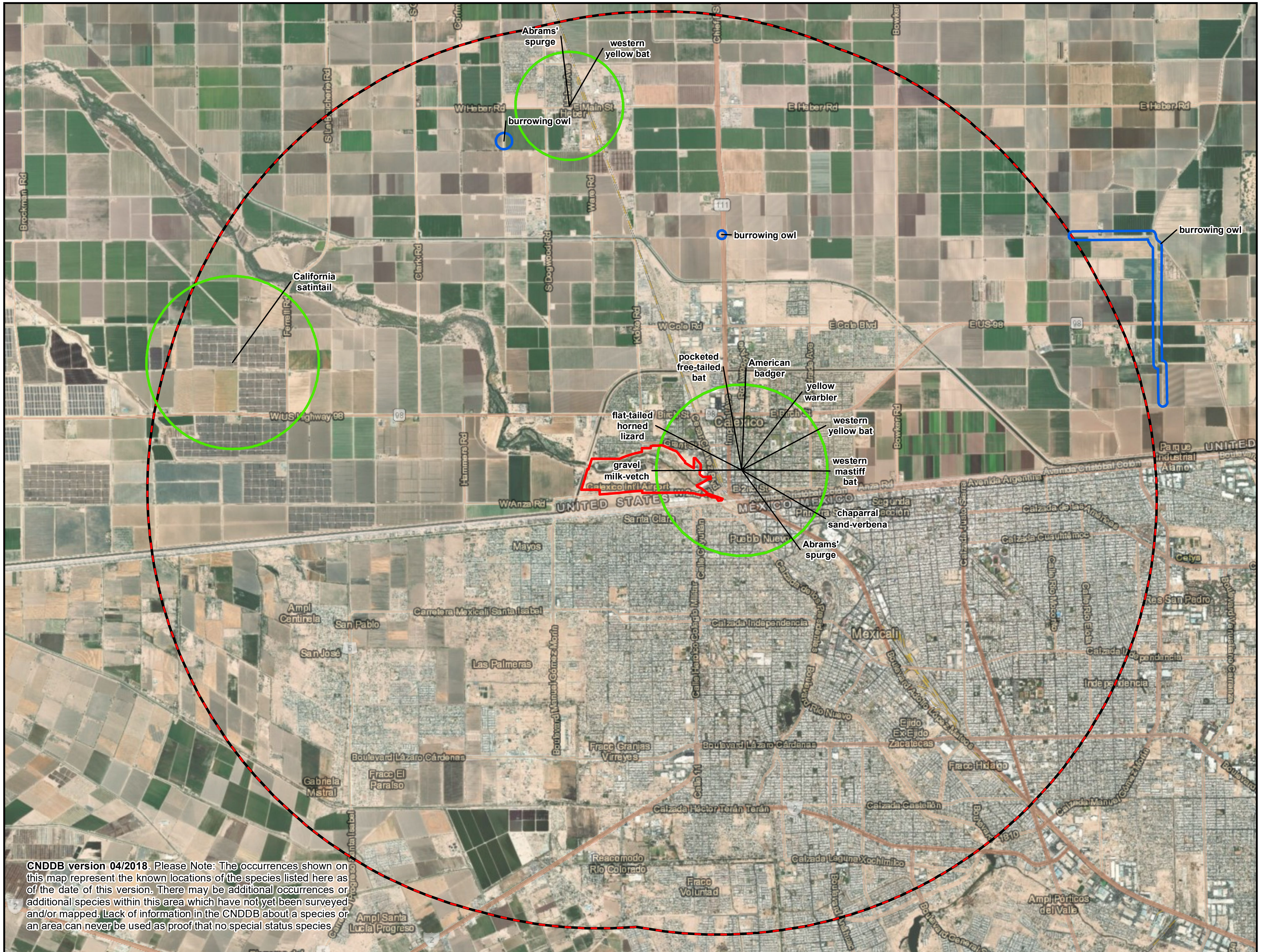
N

0 100 200 Feet

Name: 20733 p168 Fig 2 Veg Comm.Mxd
Print Date: 10/23/2018, Author: msimmons

Blackhawk Environmental

Figure 3
CNDDB Results Map



CNDDB version 04/2018. Please Note: The occurrences shown on this map represent the known locations of the species listed here as of the date of this version. There may be additional occurrences or additional species within this area which have not yet been surveyed and/or mapped. Lack of information in the CNDDB about a species or an area can never be used as proof that no special status species

Legend

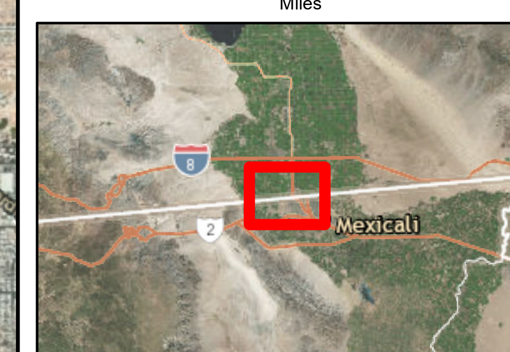
- Survey Area
- Project Location 5-mile Buffer

CNDDB Results

- Animals
- Plants

N

0 0.5 1 2
Miles



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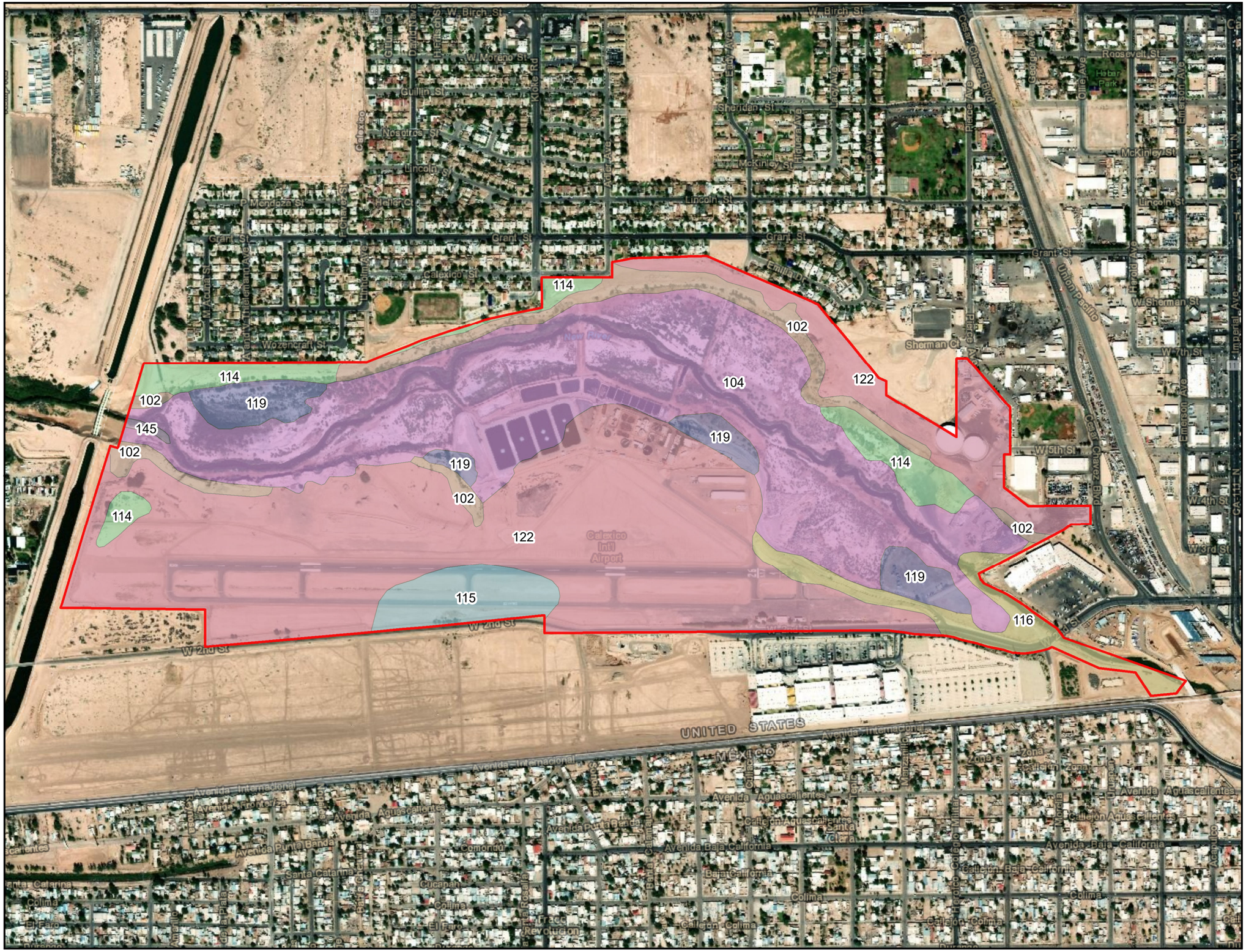
Name: 20733 p168 Fig 3 CNDDB.Mxd
Print Date: 10/24/2018, Author: msimmons

Figure 4
Soils Map



Legend

- Survey Area

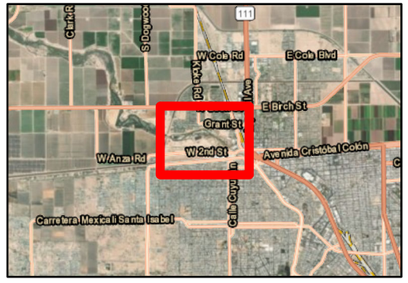
Mapped Sols Unit

- 102: BADLAND
- 104: FLUVAQUENTS, SALINE
- 114: IMPERIAL SILTY CLAY, WET
- 115: IMPERIAL-GLENBAR SILTY CLAY LOAMS, WET, 0 TO 2 PERCENT SLOPES
- 116: IMPERIAL-GLENBAR SILTY CLAY LOAMS, 2 TO 5 PERCENT SLOPE S
- 119: INDIO-VINT COMPLEX
- 122: MELOLAND VERY FINE SANDY LOAM, WET
- 145: WATER

N

0 630 1,260

Feet



BLACKHAWK Environmental

Name: 20733 p168 BTR Fig 4 Soils.Mxd
Print Date: 10/24/2018, Author: msimmons