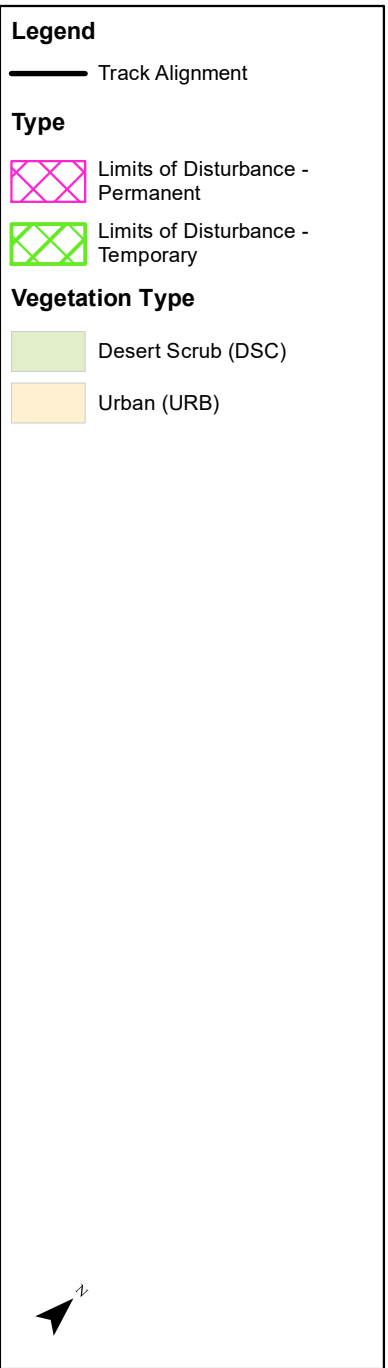
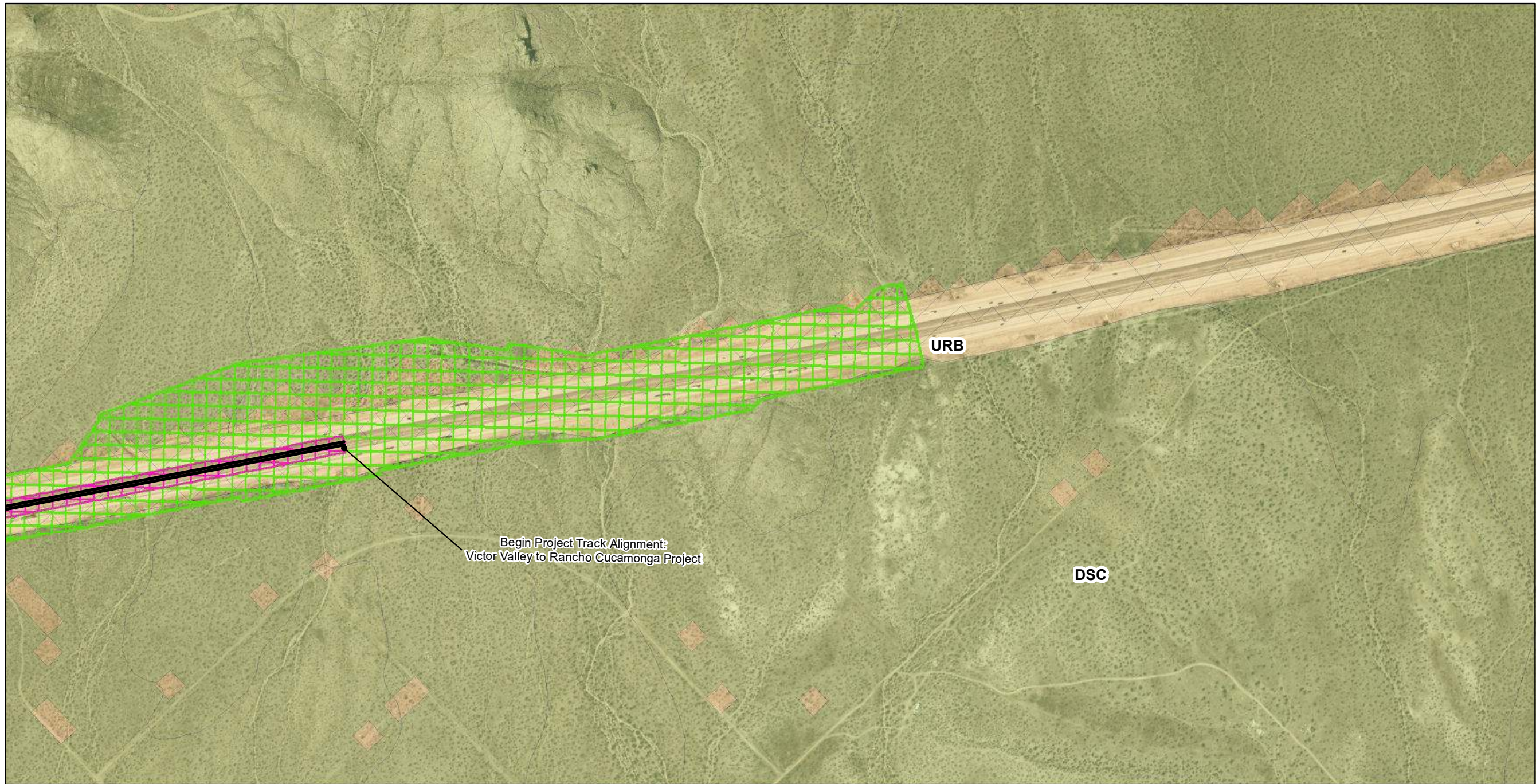


Appendix A

Temporary and Permanent Wildlife Habitat Impacts Maps

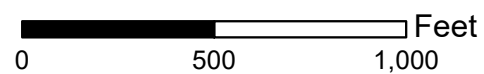
Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\WV_Extension08_TechProd\Env\GIS Data\XpressWest\Extension\GIS\MXDs



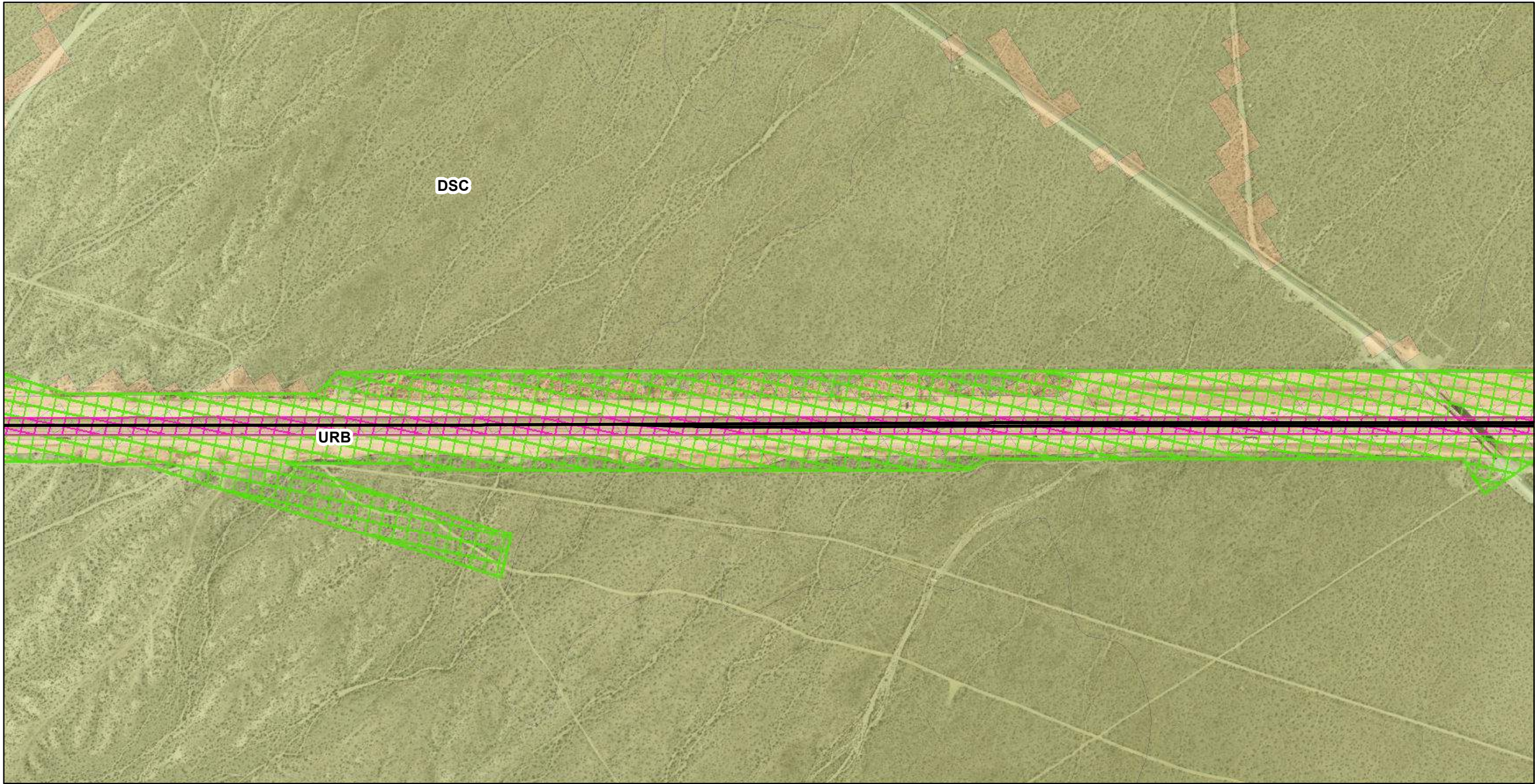
Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



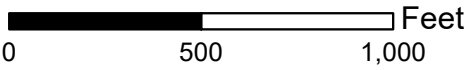
Page 1 of 44



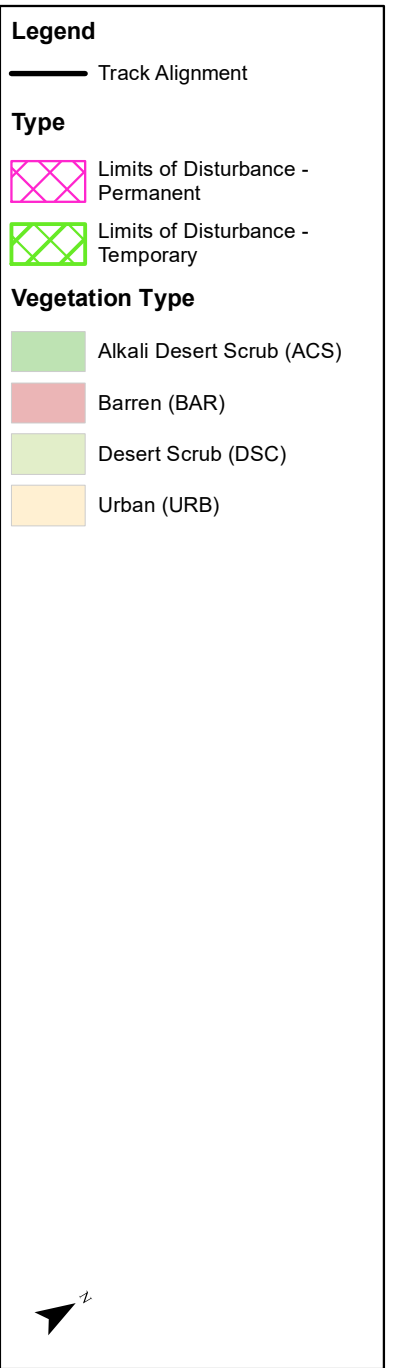
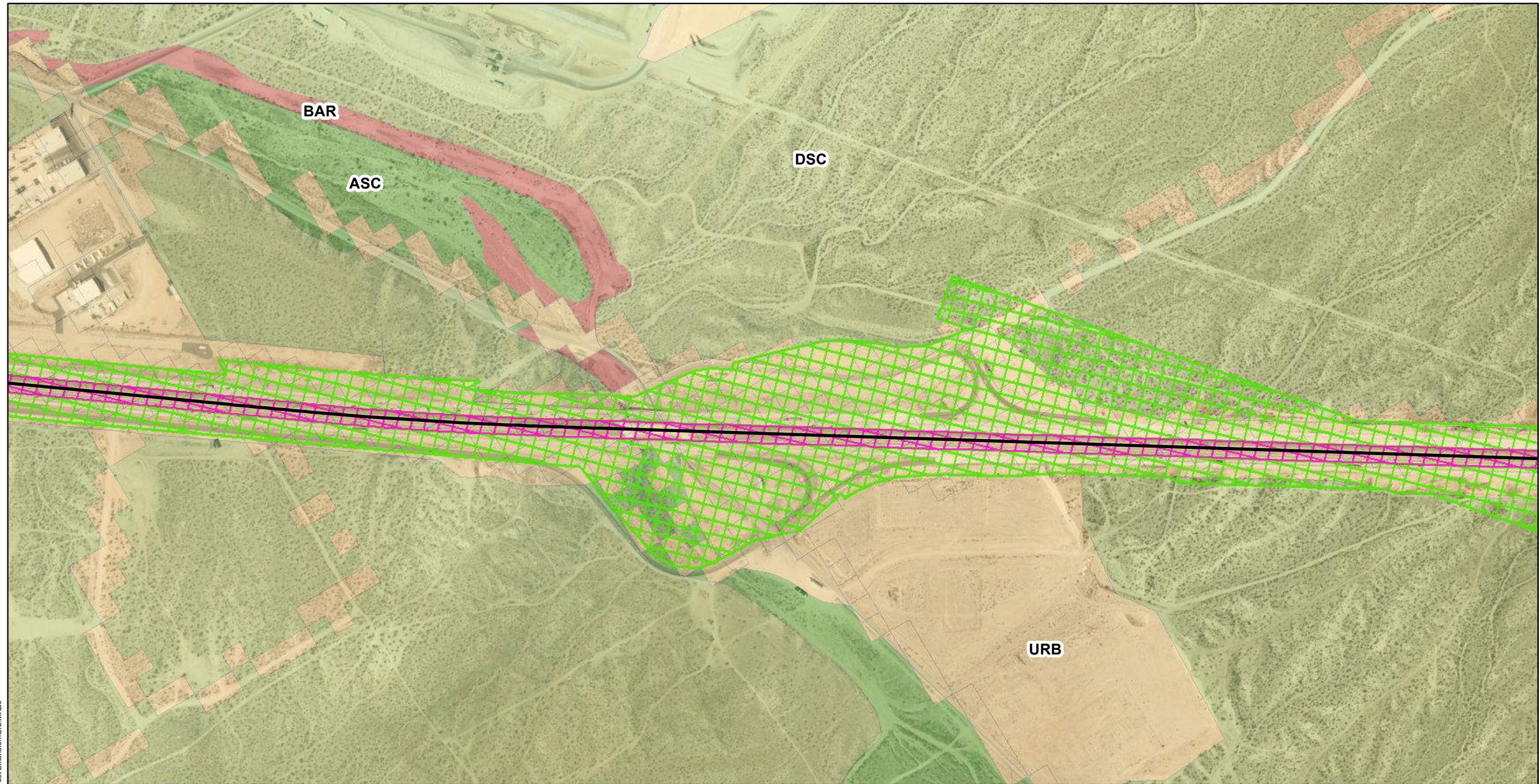
Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\BrightlineWest\GIS Data\XpressWest\GIS\MapDocs



Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



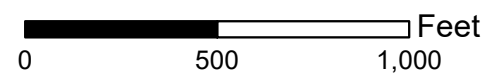
Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\GIS Data\XpressWest Extension\GIS\MXDs



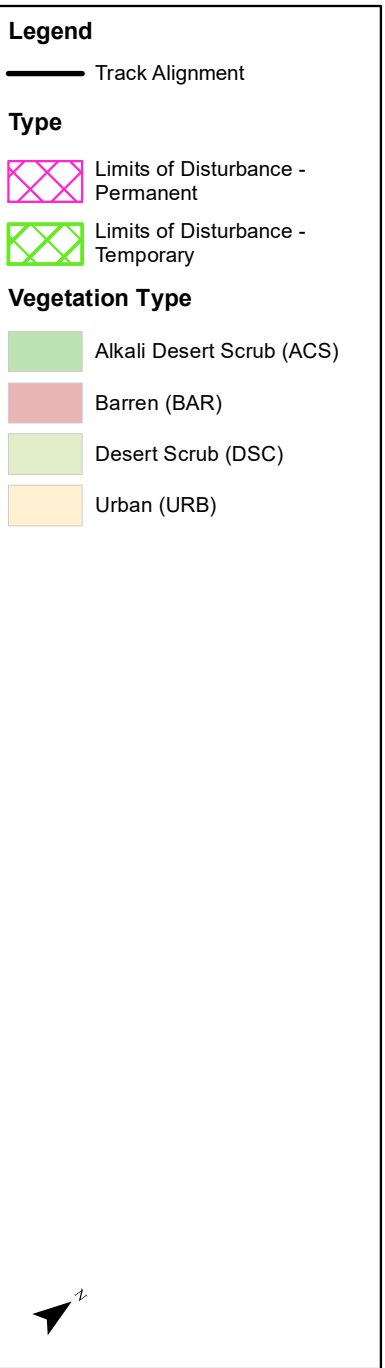
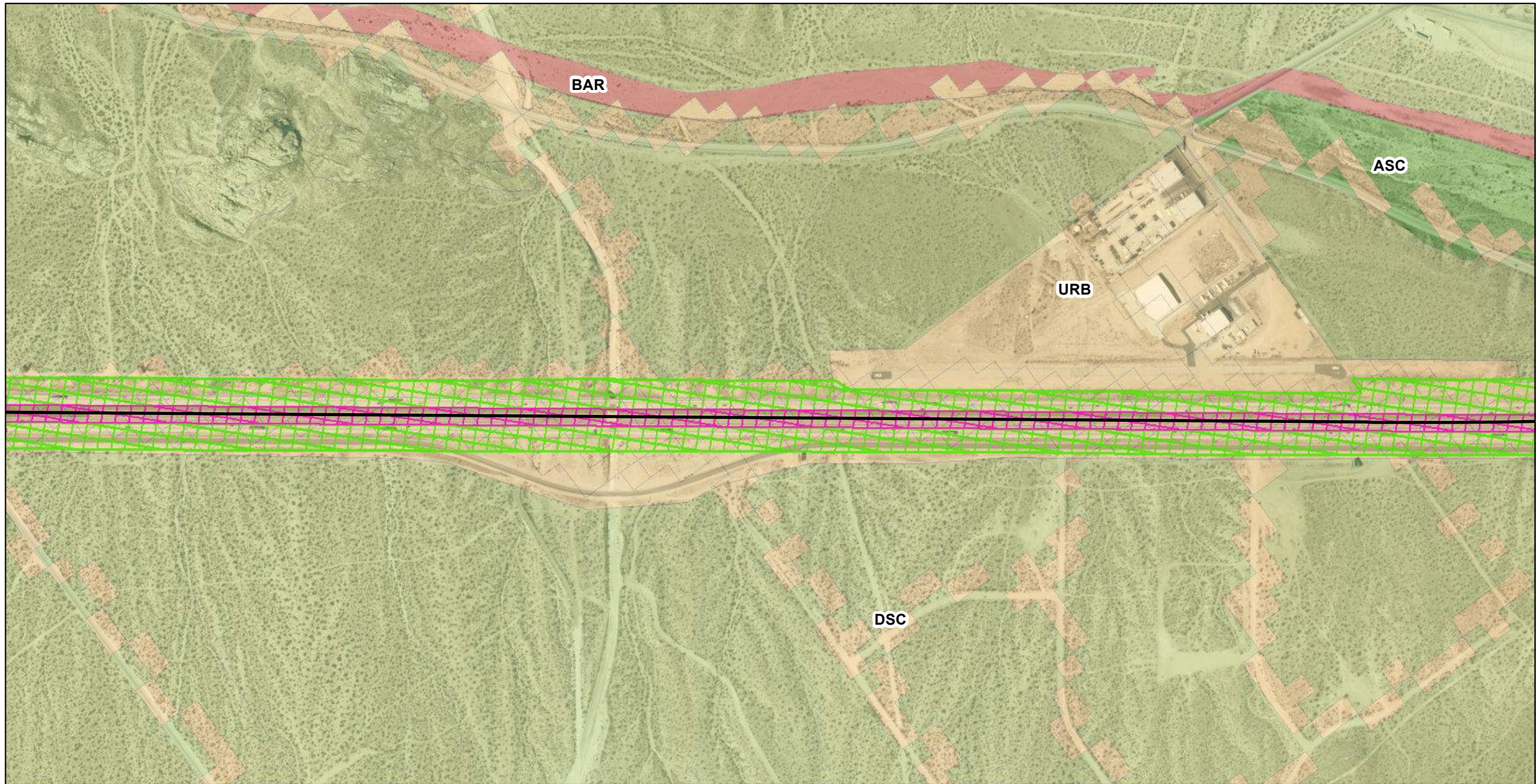
Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Page 4 of 44



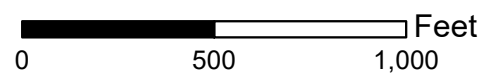
Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\WV_Extension08_TechProd\Env\GIS Data\XpressWest\Extension\GIS\MXDs



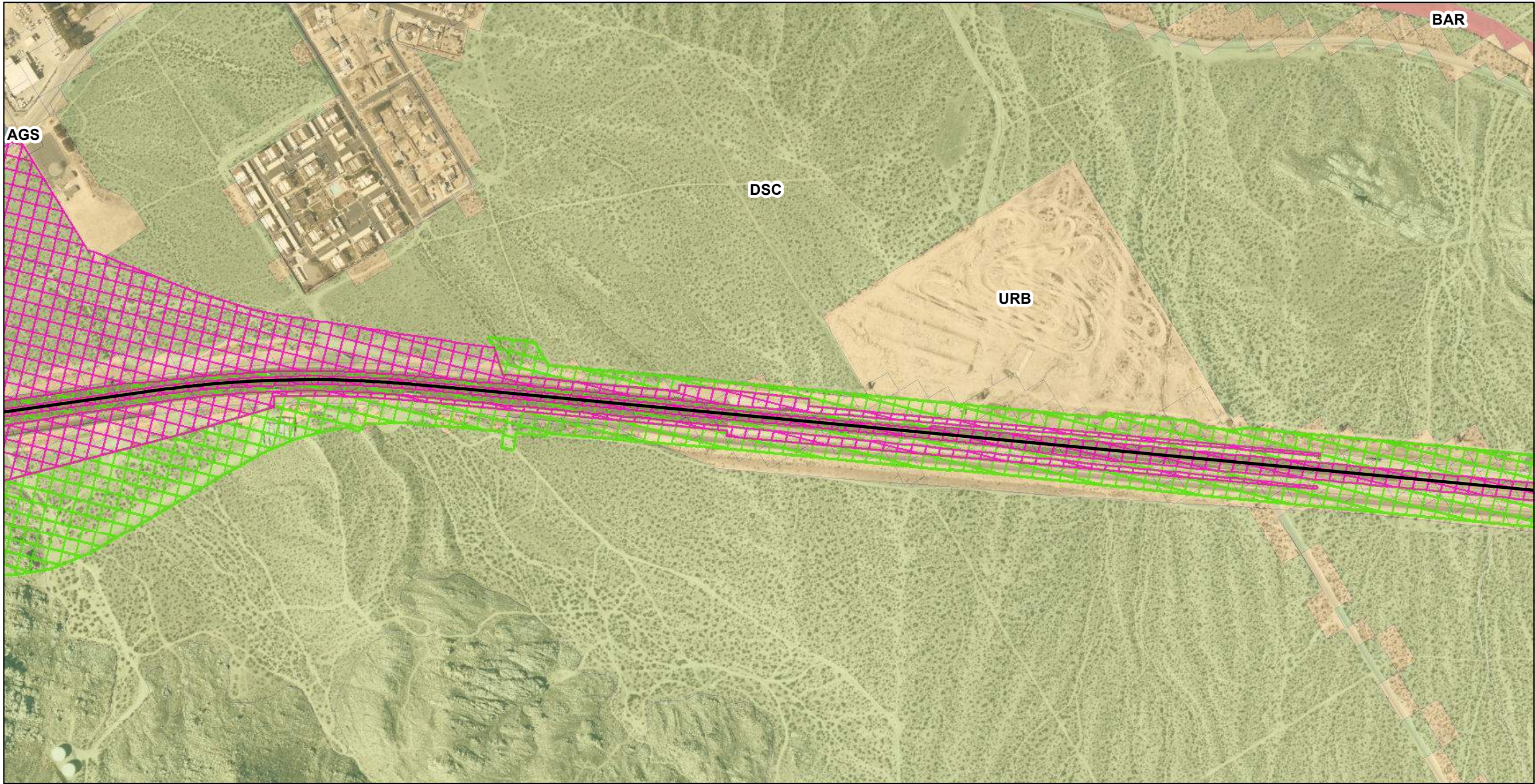
Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Page 5 of 44



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\WV_Extension08_TECHPROD\Env\GIS Data\XpressWest_Extension\GIS\MXDs



Legend

— Track Alignment

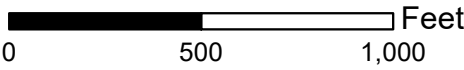
Type

- [Pink cross-hatch] Limits of Disturbance - Permanent
- [Green cross-hatch] Limits of Disturbance - Temporary

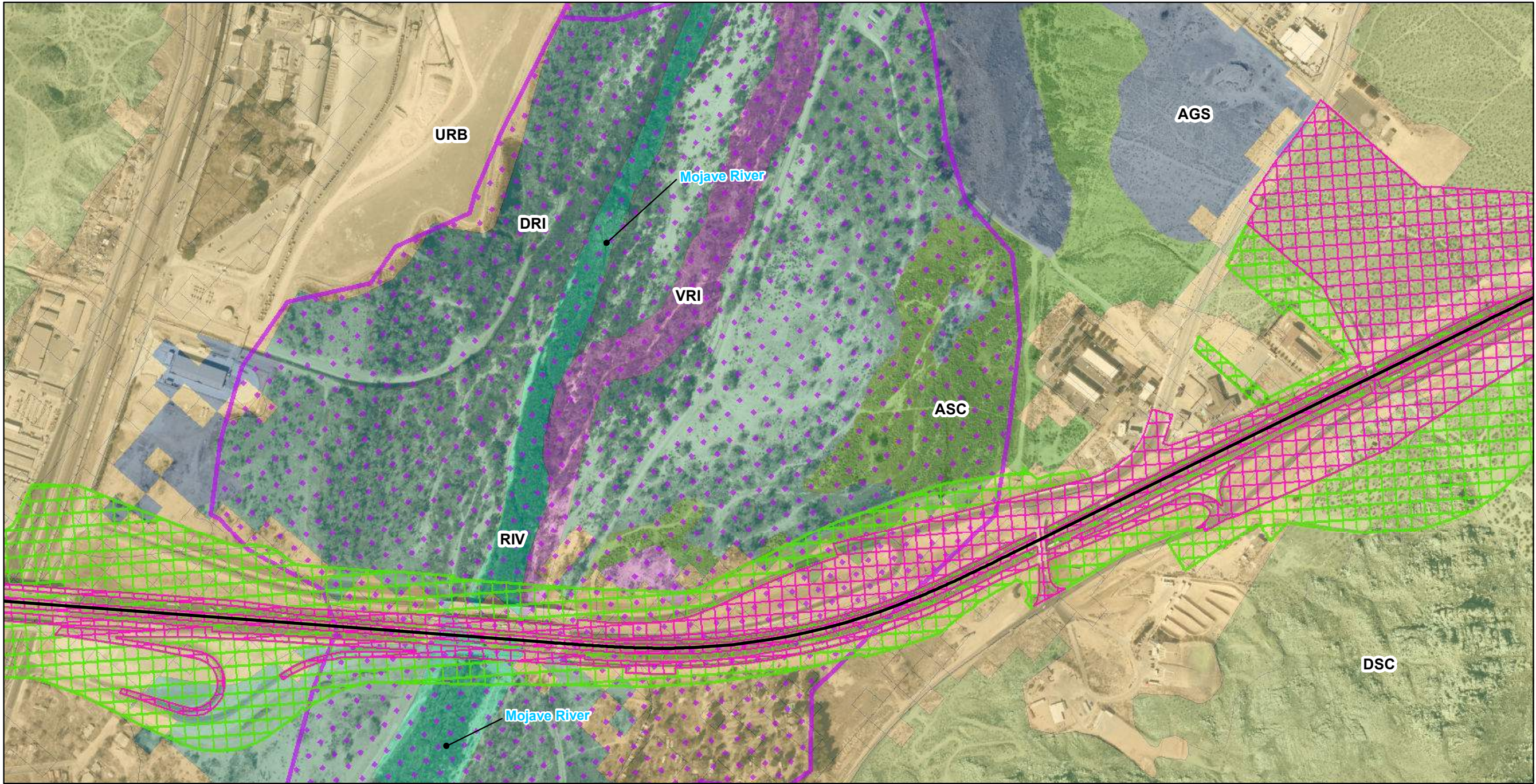
Vegetation Type

- [Blue box] Annual Grassland (AGS)
- [Red box] Barren (BAR)
- [Light green box] Desert Scrub (DSC)
- [Tan box] Urban (URB)

Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\West\XpressWest\GIS Data\XpressWest Extension\GIS\IXDs



Legend

— Track Alignment

Type

- Limits of Disturbance - Permanent
- Limits of Disturbance - Temporary

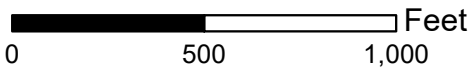
Vegetation Type

- Annual Grassland (AGS)
- Alkali Desert Scrub (ACS)
- Desert Riparian (DRI)
- Desert Scrub (DSC)
- Riverine (RIV)
- Urban (URB)
- Valley Foothill Riparian (VRI)

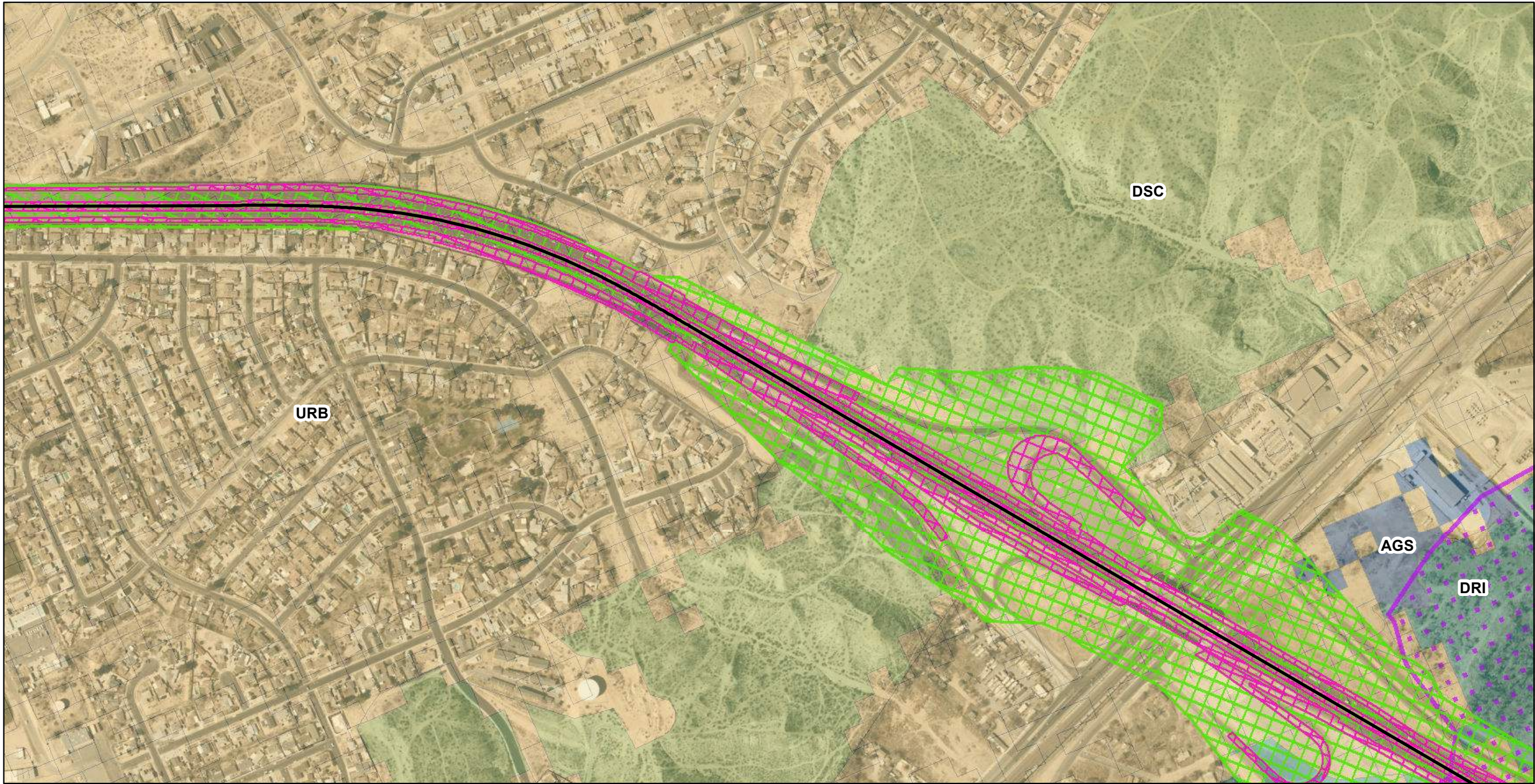
Critical Habitat

- Southwestern Willow Flycatcher

Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\WV_Extension08_TechProd\Env\GIS Data\XpressWest\Extension\GIS\MXDs



Legend

— Track Alignment

Type

- Limits of Disturbance - Permanent
- Limits of Disturbance - Temporary

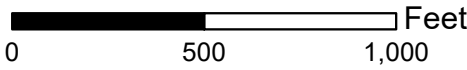
Vegetation Type

- Annual Grassland (AGS)
- Desert Riparian (DRI)
- Desert Scrub (DSC)
- Urban (URB)

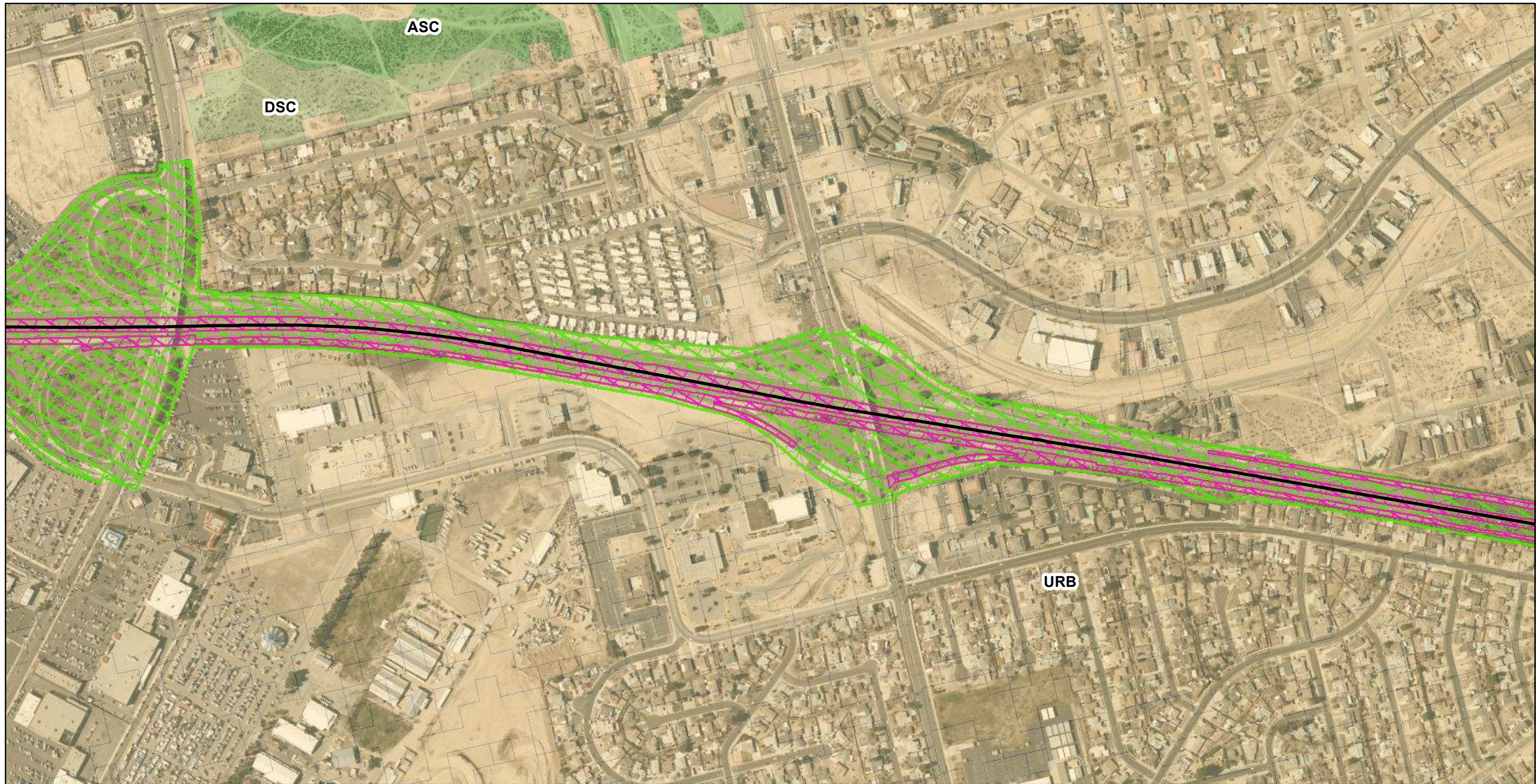
Critical Habitat

- Southwestern Willow Flycatcher

Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\GIS Data\XpressWest Extension\GIS\MXDs



Legend

— Track Alignment

Type

- Limits of Disturbance - Permanent
- Limits of Disturbance - Temporary

Vegetation Type

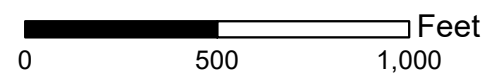
- Alkali Desert Scrub (ACS)
- Desert Scrub (DSC)
- Urban (URB)

North arrow pointing up and slightly to the right.

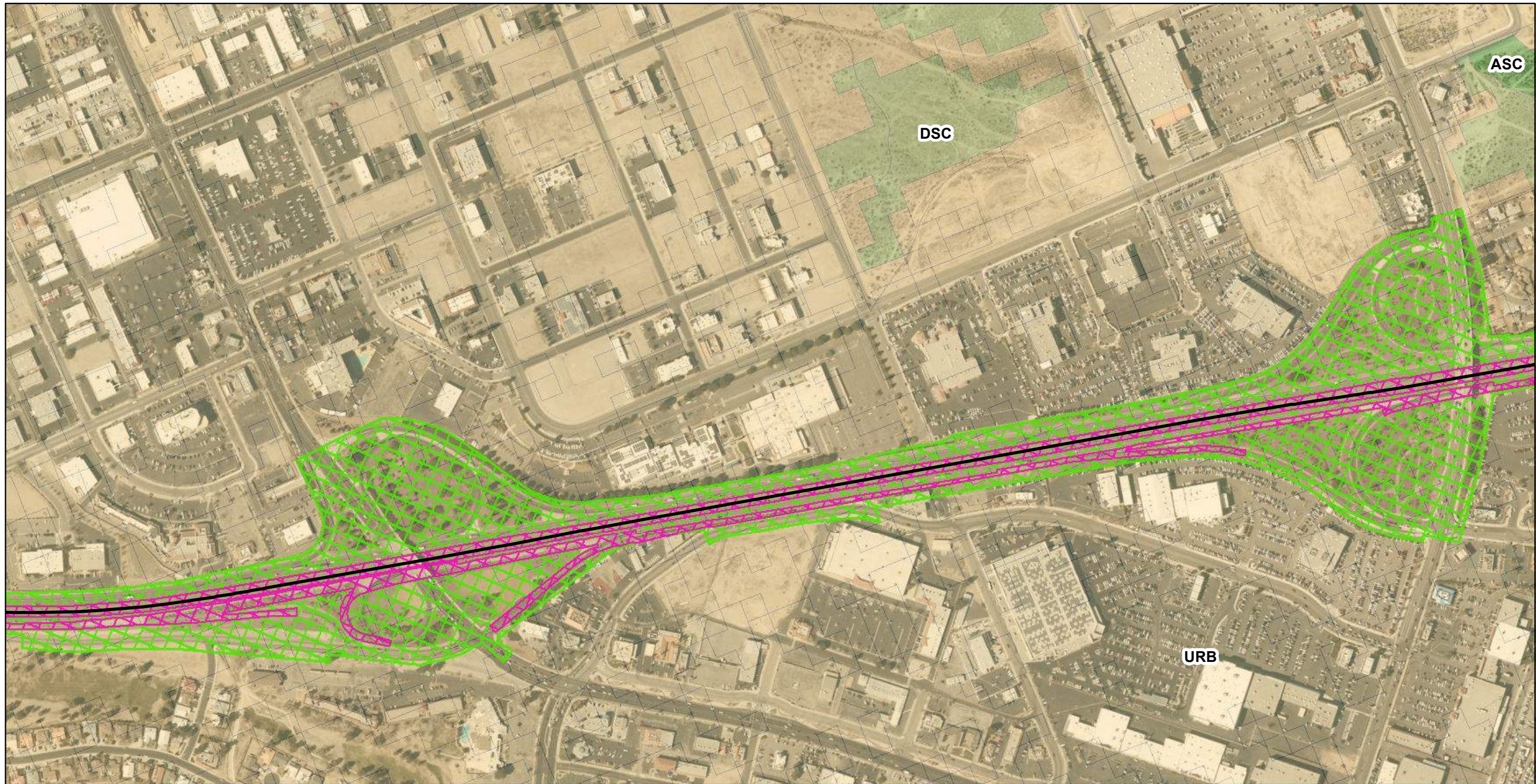
Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Page 9 of 44



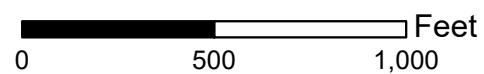
Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\WV_Extension08_TechProd\Env\GIS Data\XpressWest\Extension\GIS\MXDs



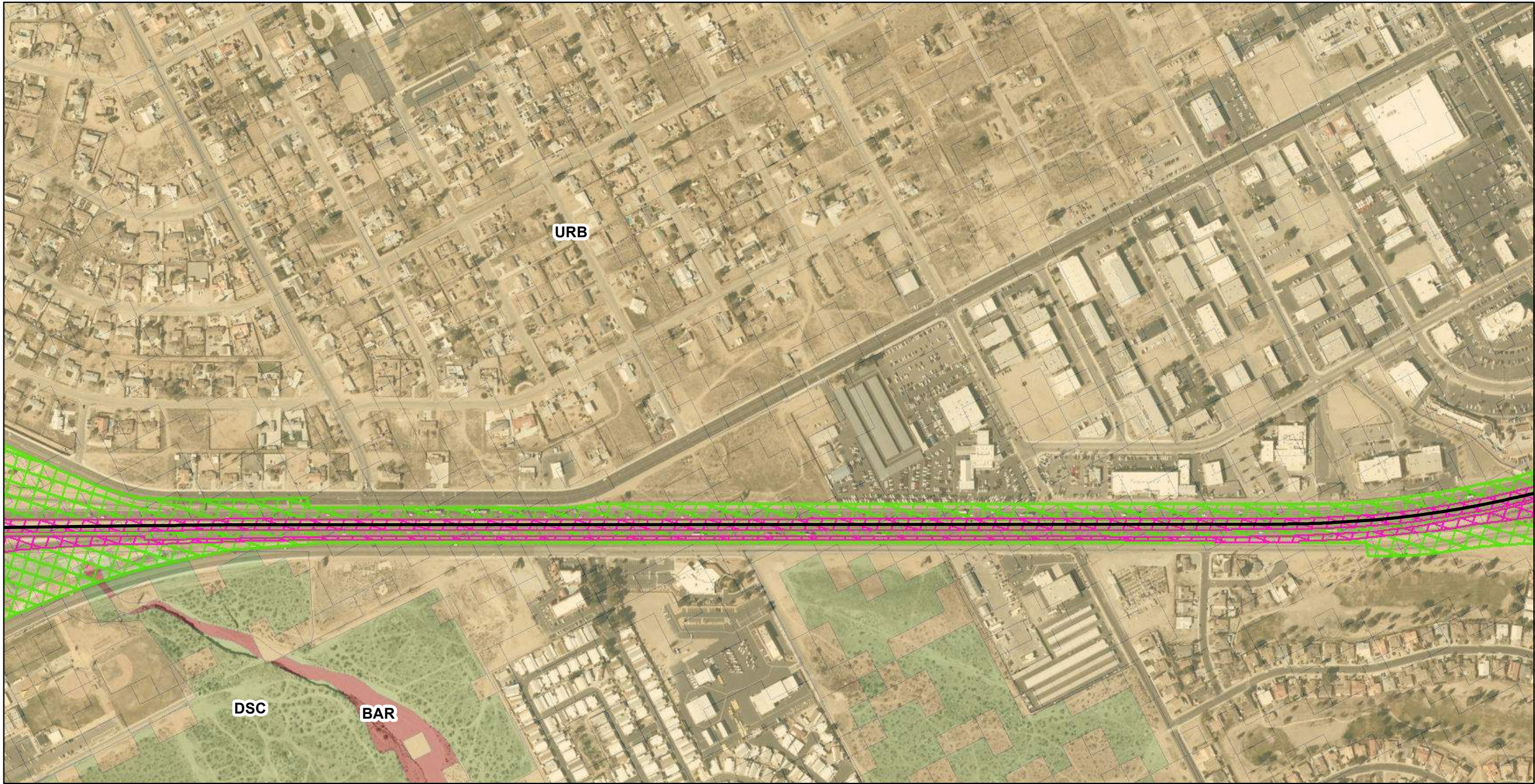
Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Page 10 of 44



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\WV_Extension08_TechProd\Env\GIS Data\XpressWest\Extension\GIS\MXDs



Legend

— Track Alignment

Type

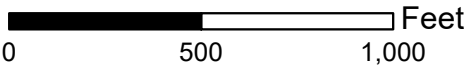
-  Limits of Disturbance - Permanent
-  Limits of Disturbance - Temporary

Vegetation Type

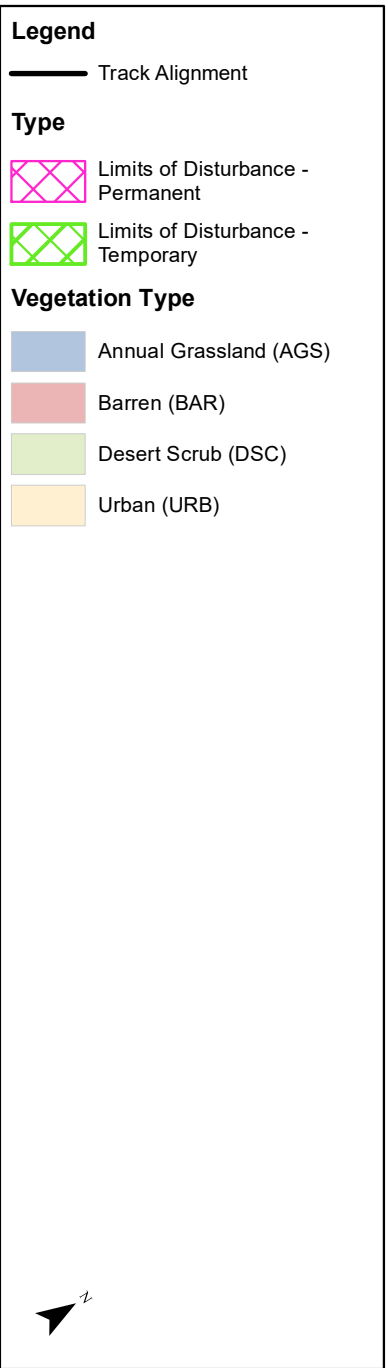
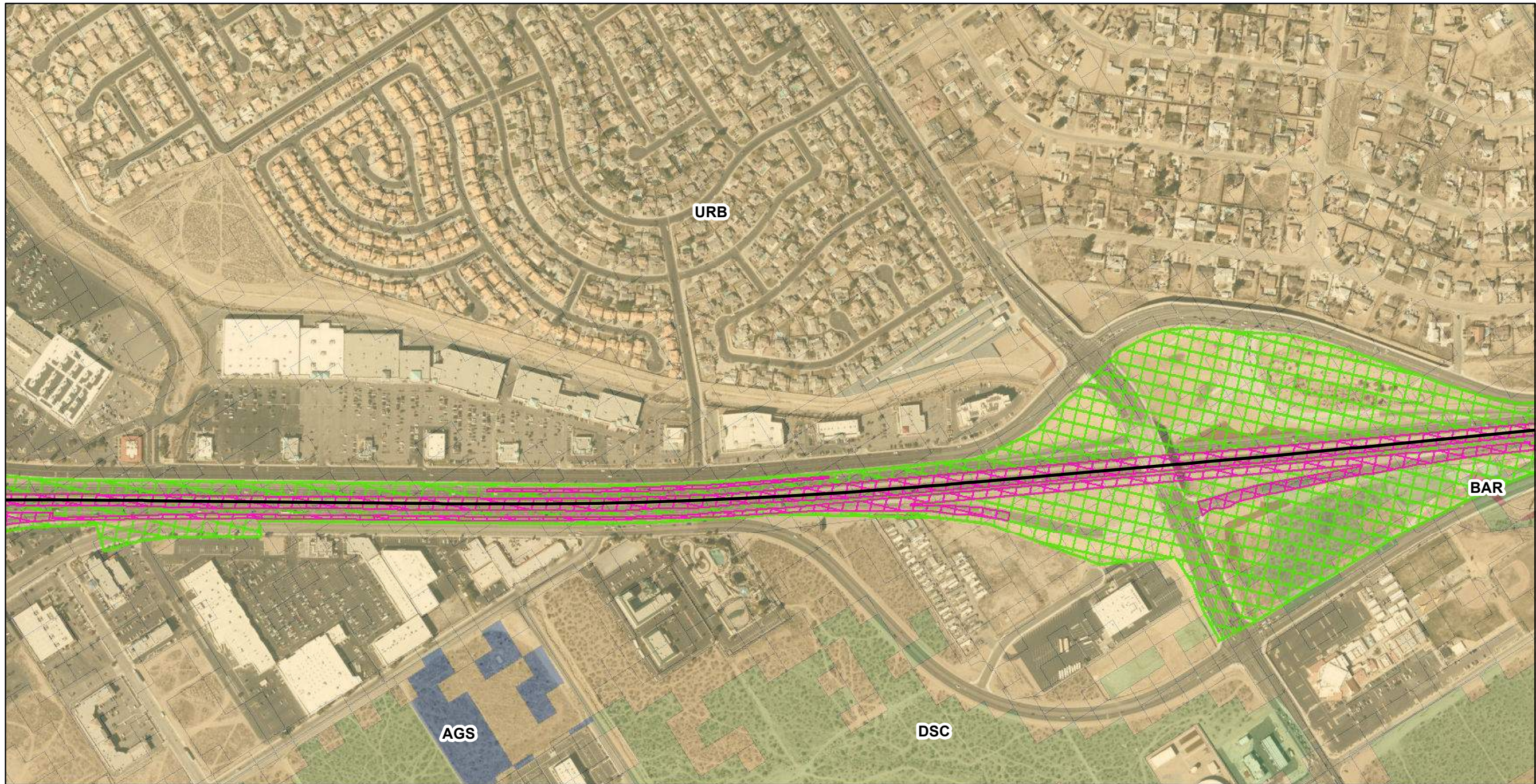
-  Barren (BAR)
-  Desert Scrub (DSC)
-  Urban (URB)



Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



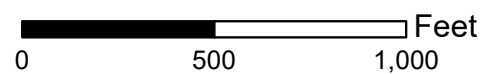
Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\GIS Data\XpressWest Extension\GIS\MXDs



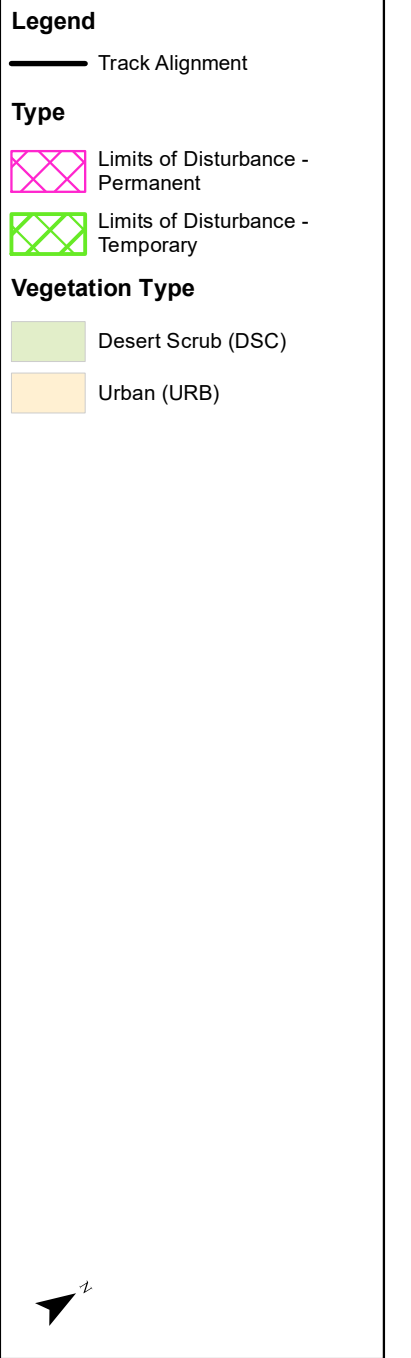
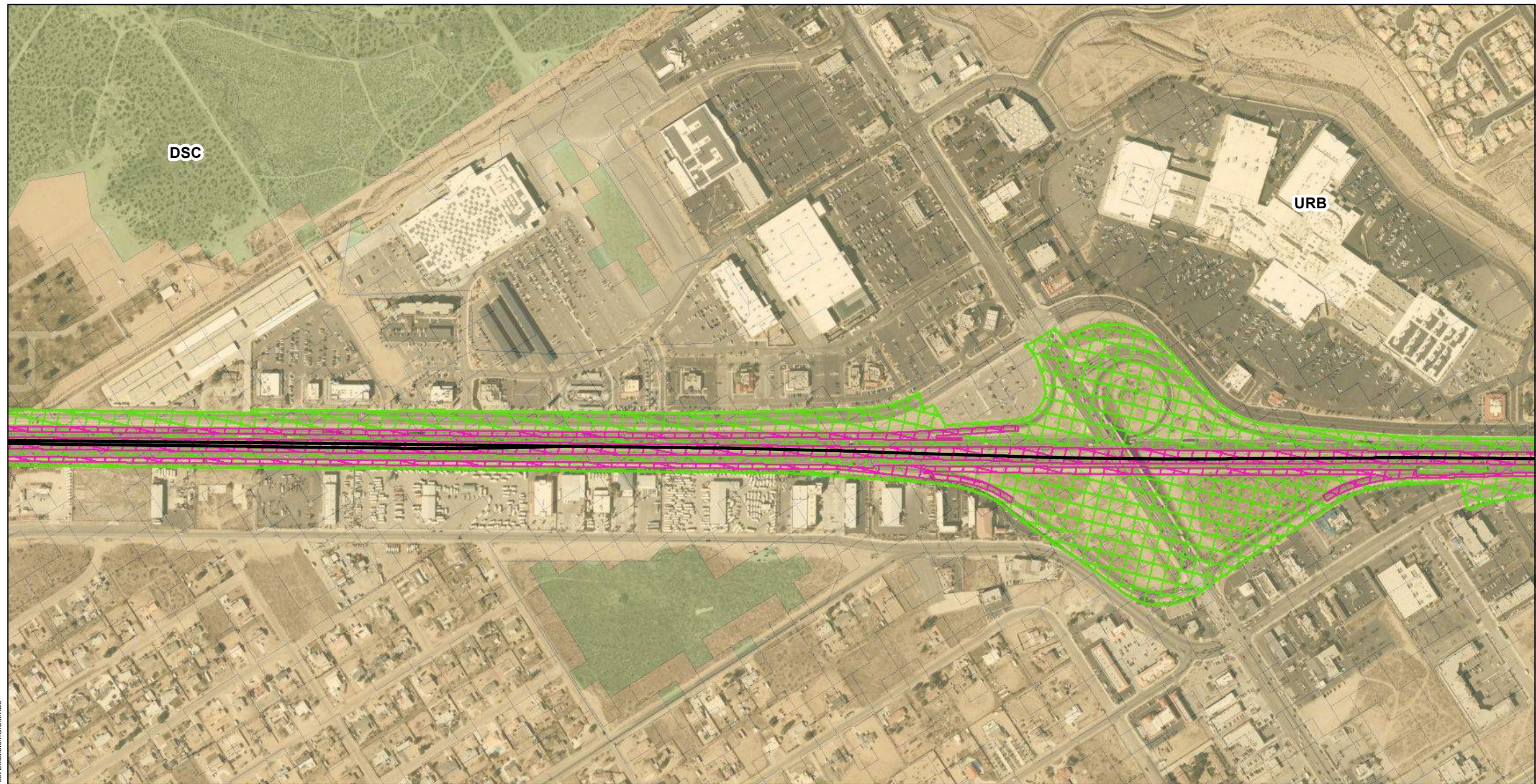
Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Page 12 of 44



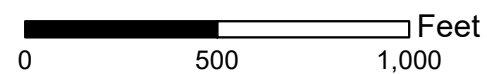
Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\WV_Extension08_TechProd\Env\GIS Data\XpressWest\Extension\GIS\MXDs



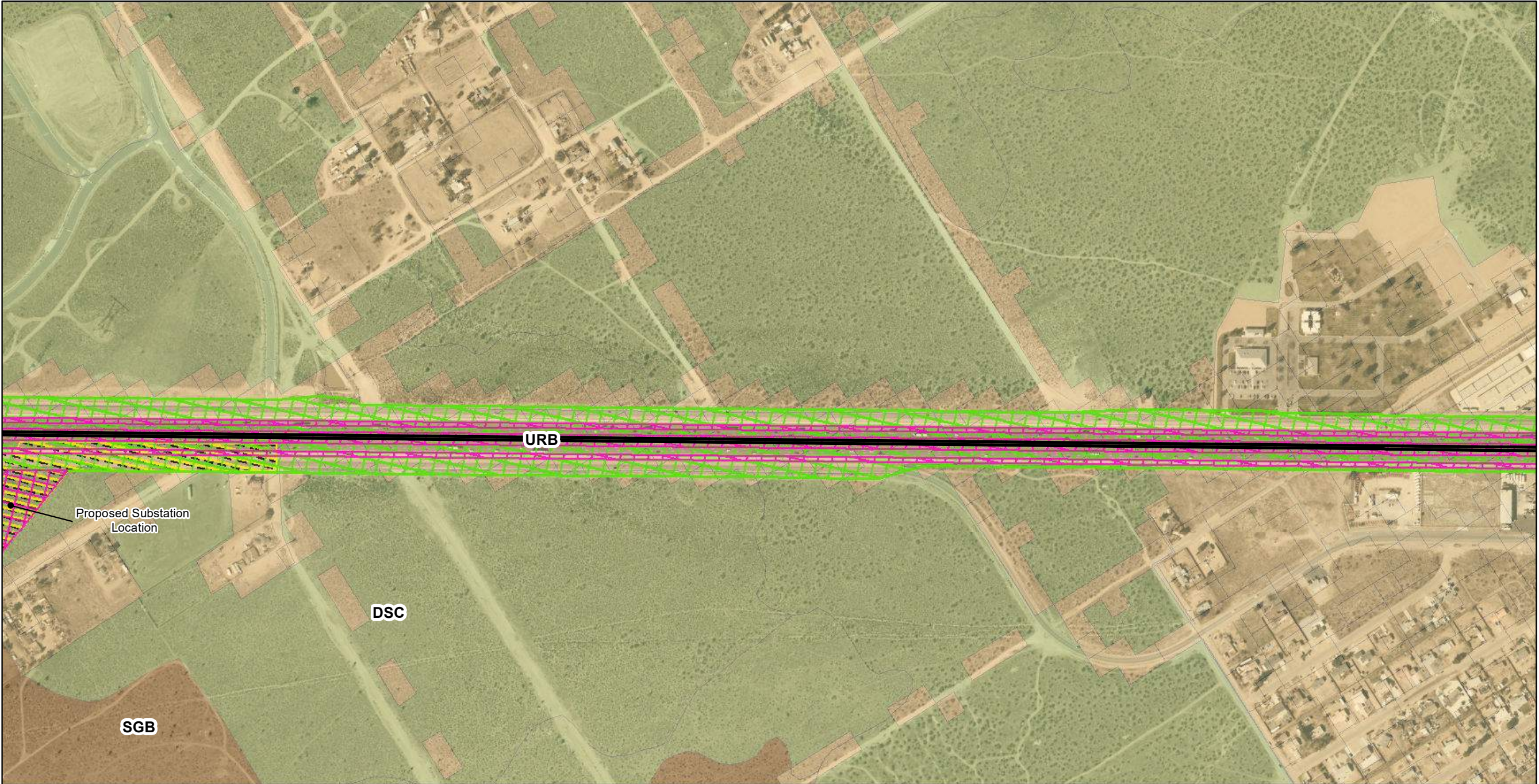
Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Page 13 of 44



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\GIS Data\XpressWest Extension\GIS\MXDs



Legend

— Track Alignment

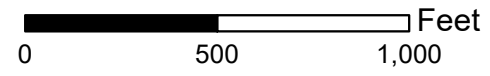
Type

- [Pink Hatched Box] Limits of Disturbance - Permanent
- [Green Hatched Box] Limits of Disturbance - Temporary
- [Yellow Hatched Box] Proposed Power Substation

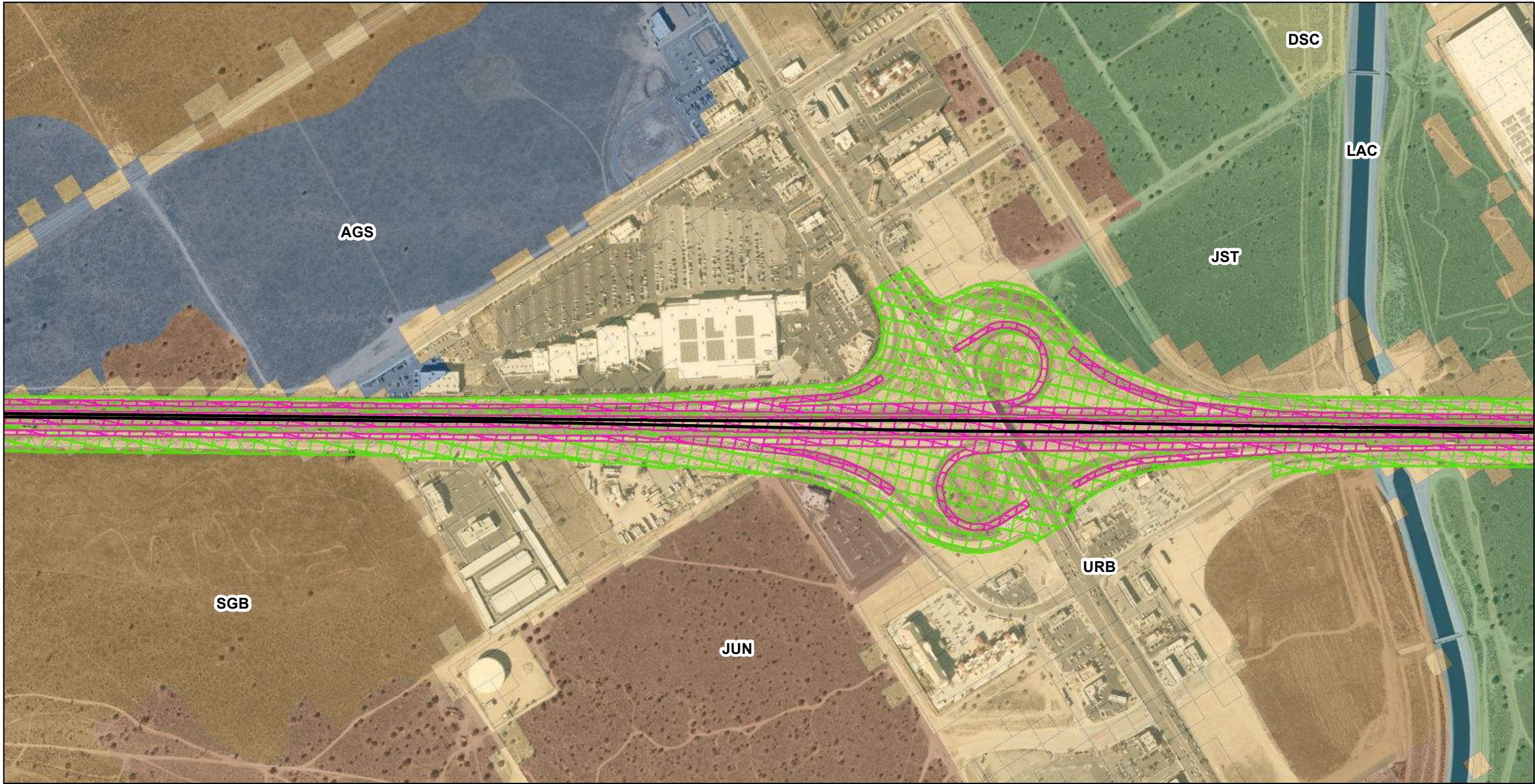
Vegetation Type

- [Light Green Box] Desert Scrub (DSC)
- [Brown Box] Sagebrush (SGB)
- [Tan Box] Urban (URB)

Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\WV_Extension08_TechProd\Env\GIS Data\XpressWest\Extension\GIS\MXDs



Legend

— Track Alignment

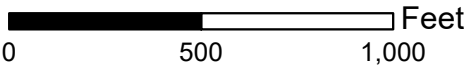
Type

- Permanent (Magenta cross-hatch)
- Temporary (Green cross-hatch)

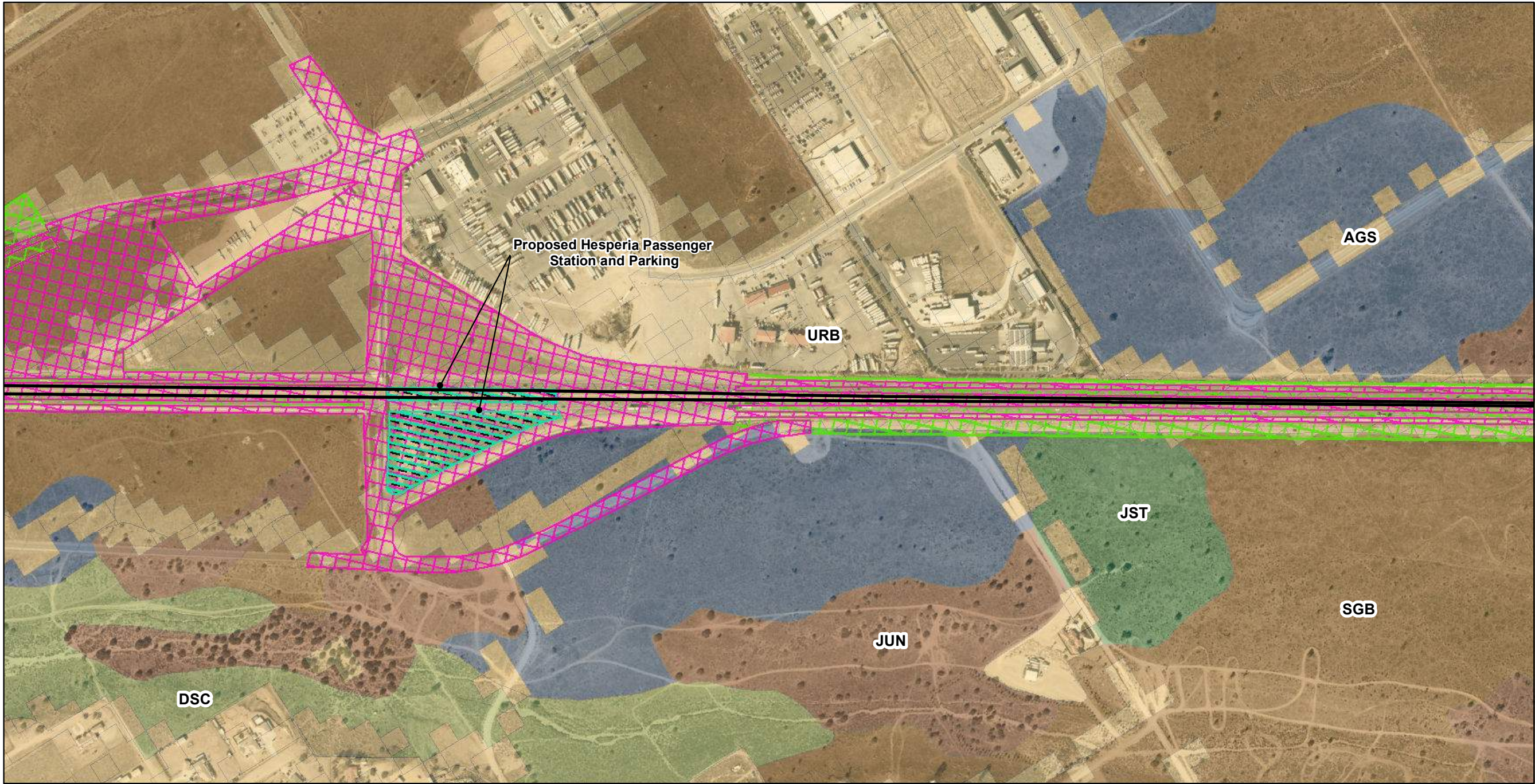
Vegetation Type

- Annual Grassland (AGS)
- Desert Scrub (DSC)
- Joshua Tree (JST)
- Juniper (JUN)
- Lacustrine (LAC)
- Sagebrush (SGB)
- Urban (URB)

Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\GIS Data\XpressWest Extension\GIS\SWDs



Legend

— Track Alignment

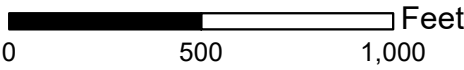
Type

- Limits of Disturbance - Permanent
- Limits of Disturbance - Temporary
- Proposed Passenger Station

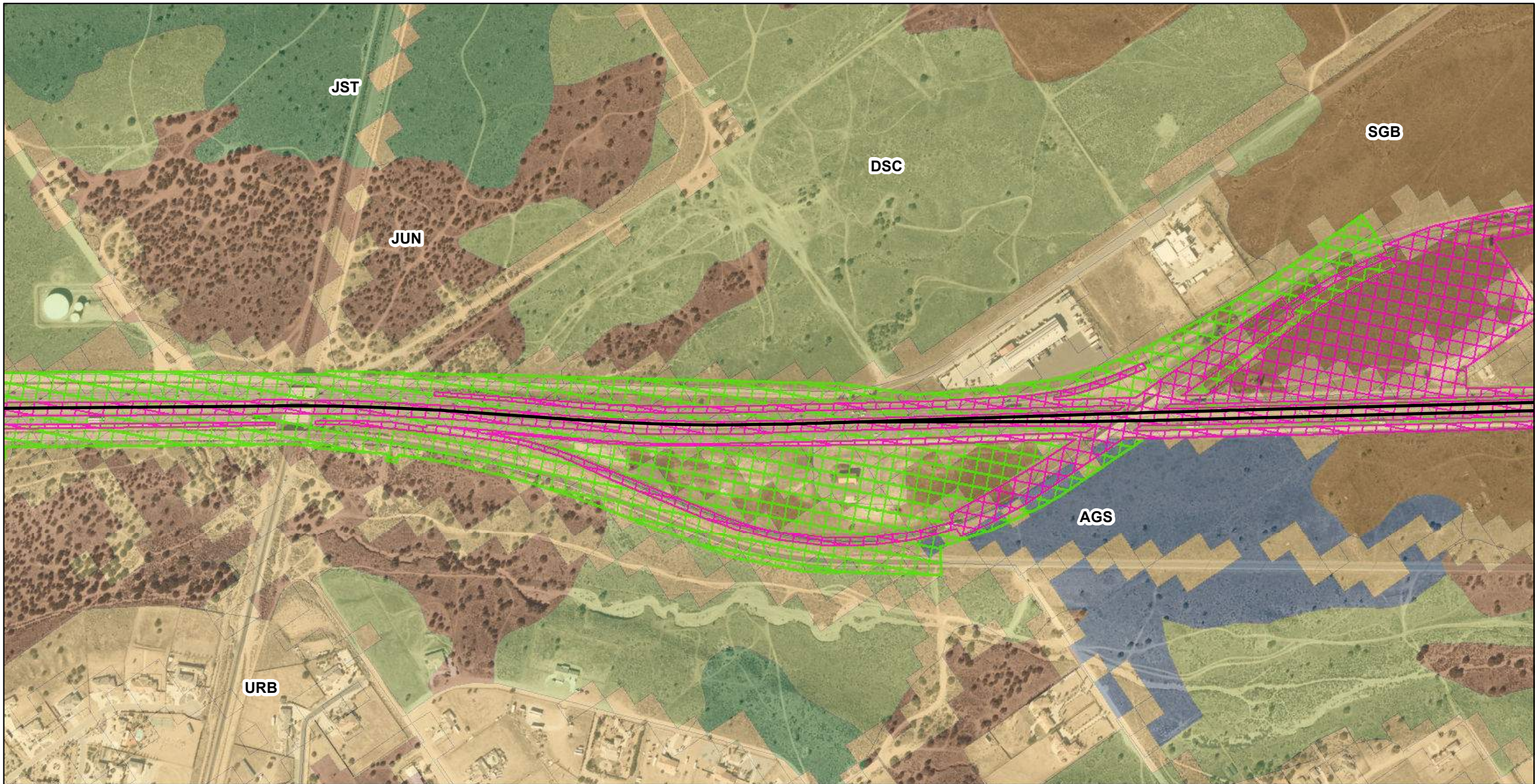
Vegetation Type

- Annual Grassland (AGS)
- Desert Scrub (DSC)
- Joshua Tree (JST)
- Juniper (JUN)
- Sagebrush (SGB)
- Urban (URB)

Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\GIS Data\XpressWest Extension\GIS\MXDs



Legend

— Track Alignment

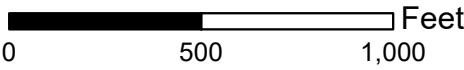
Type

- Limits of Disturbance - Permanent
- Limits of Disturbance - Temporary

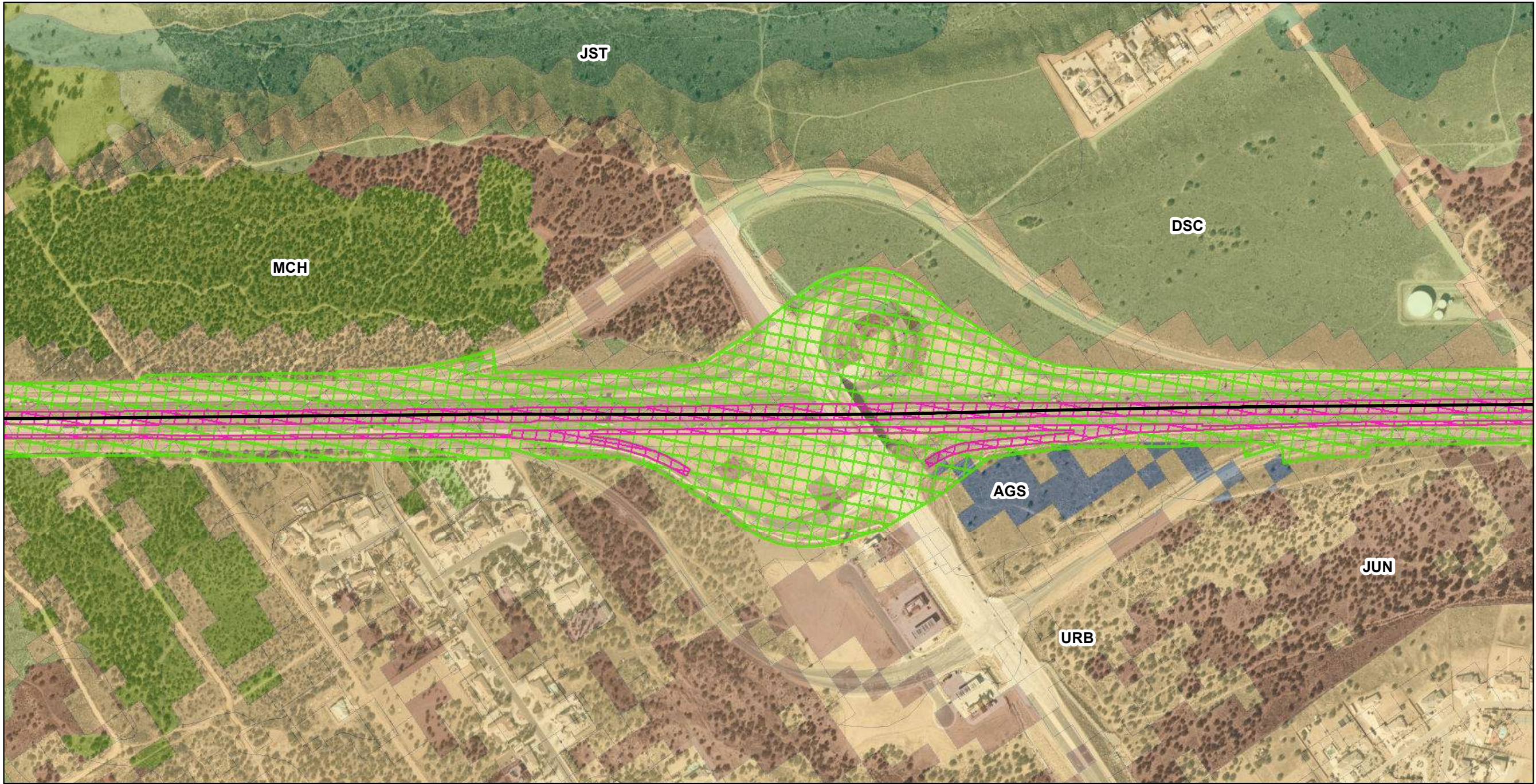
Vegetation Type

- Annual Grassland (AGS)
- Desert Scrub (DSC)
- Joshua Tree (JST)
- Juniper (JUN)
- Sagebrush (SGB)
- Urban (URB)

Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\GIS Data\XpressWest Extension\GIS\MXDs



Legend

 Track Alignment

Type

 Limits of Disturbance - Permanent

 Limits of Disturbance - Temporary

Vegetation Type

 Annual Grassland (AGS)

 Desert Scrub (DSC)

 Joshua Tree (JST)

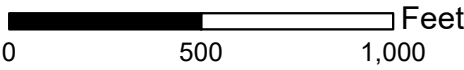
 Juniper (JUN)

 Mixed Chaparral (MCH)

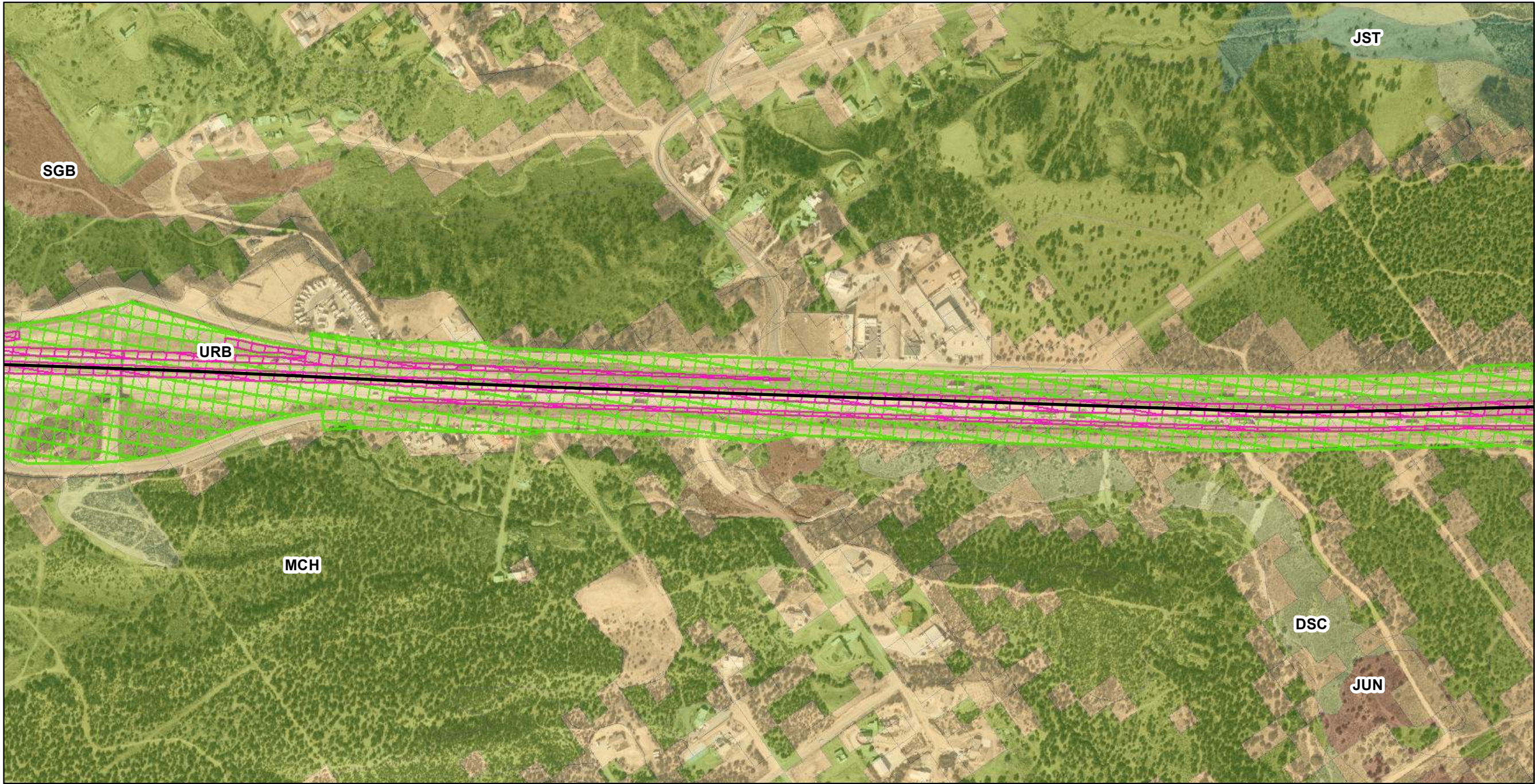
 Urban (URB)



Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\WV_Extension08_TechProd\Env\GIS Data\XpressWest Extension\GIS\MXDs



Legend

— Track Alignment

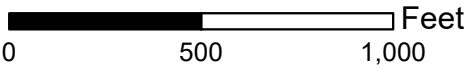
Type

- Limits of Disturbance - Permanent
- Limits of Disturbance - Temporary

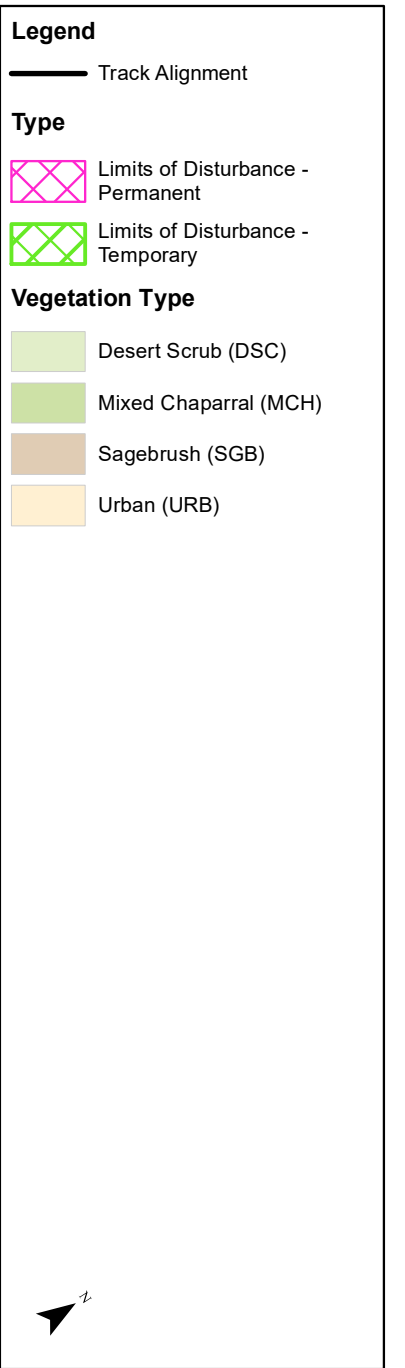
Vegetation Type

- Desert Scrub (DSC)
- Joshua Tree (JST)
- Juniper (JUN)
- Mixed Chaparral (MCH)
- Sagebrush (SGB)
- Urban (URB)

Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



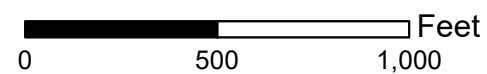
Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\GIS Data\XpressWest Extension\GIS\MXDs



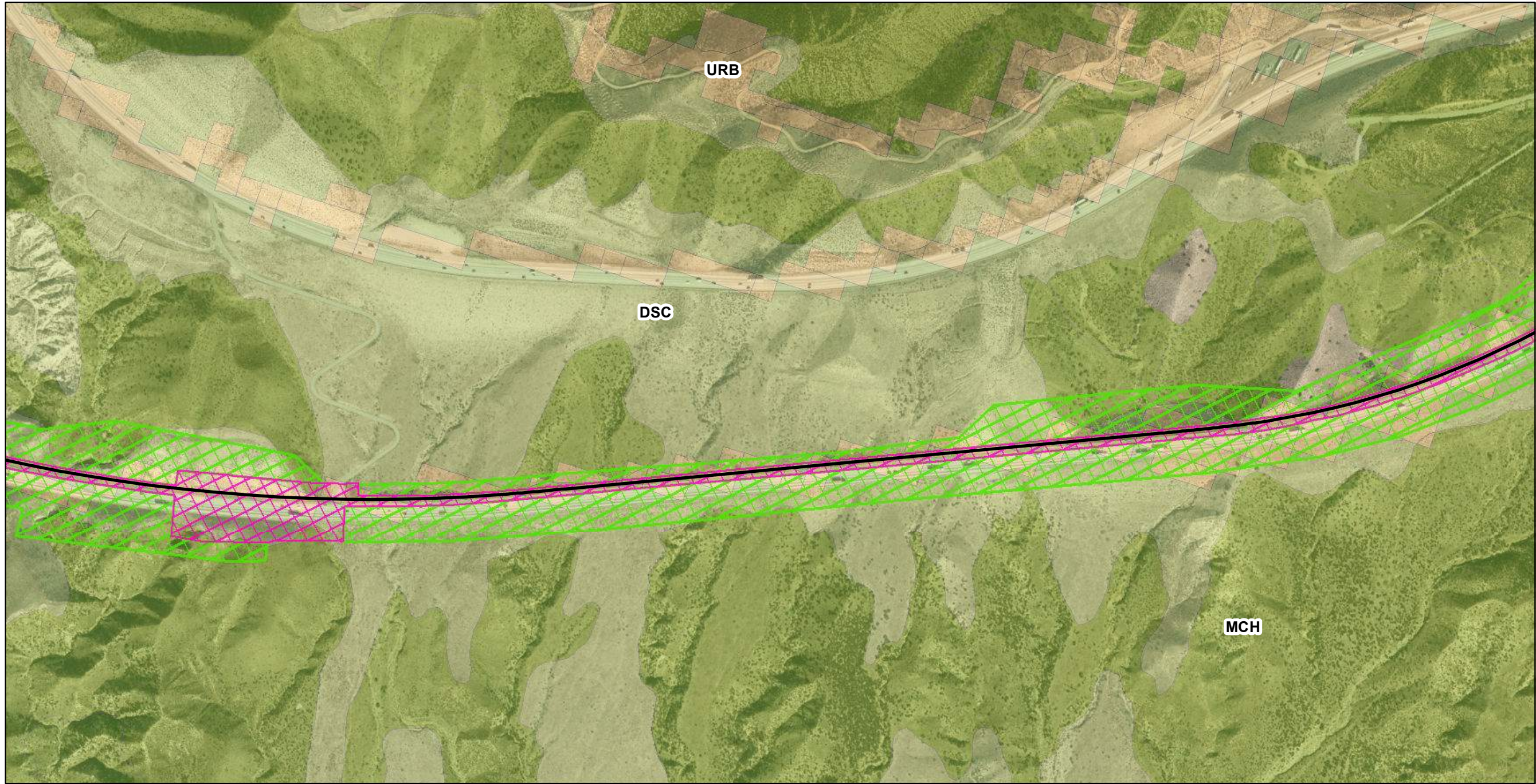
Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Page 21 of 44



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\GIS Data\XpressWest Extension\GIS\MXDs



Legend

— Track Alignment

Type

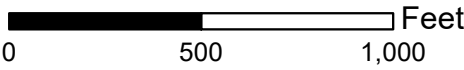
- Limits of Disturbance - Permanent
- Limits of Disturbance - Temporary

Vegetation Type

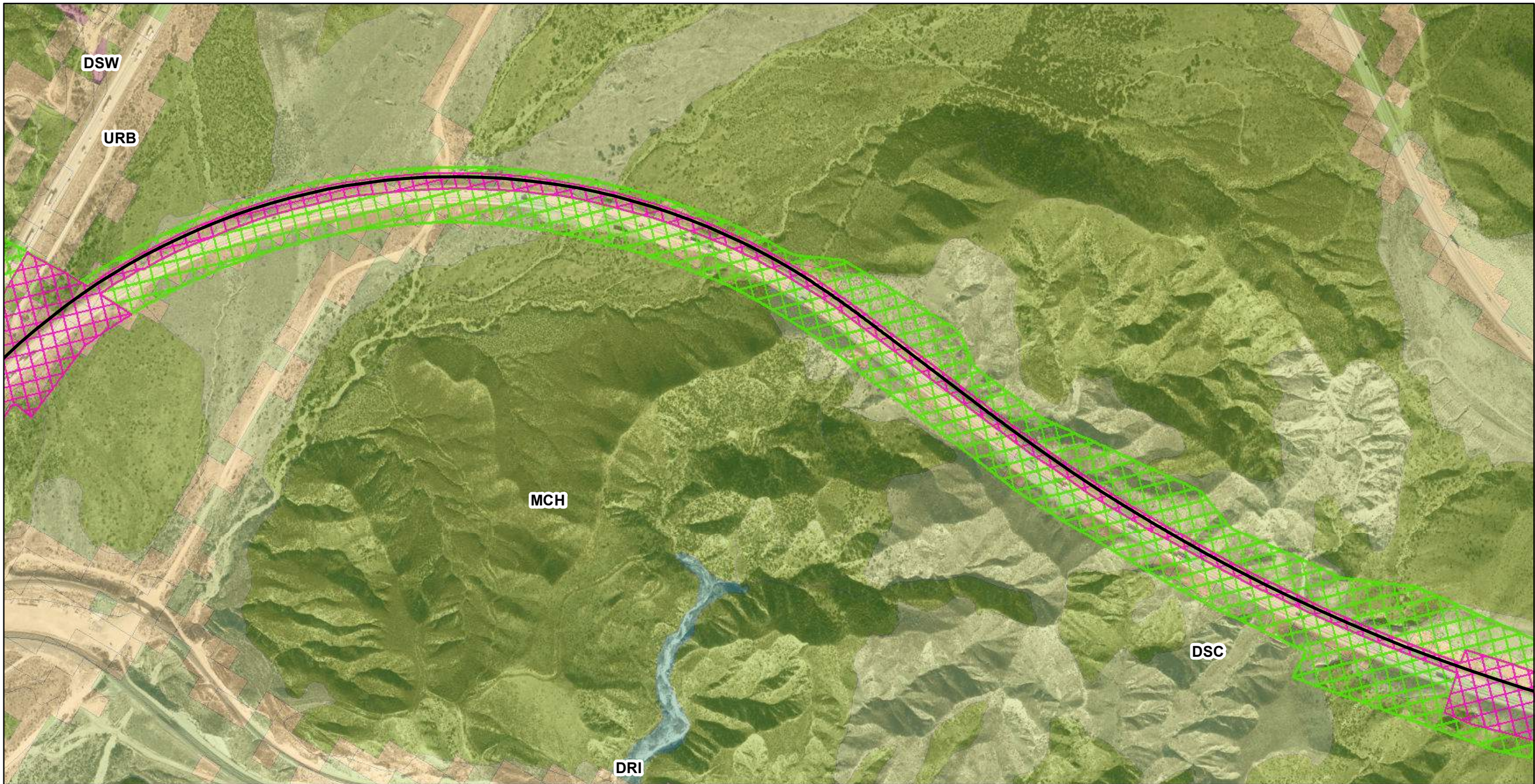
- Desert Scrub (DSC)
- Mixed Chaparral (MCH)
- Urban (URB)

N

Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\75161\XpressWest\WV_Extension08_TechProd\Env\GIS Data\XpressWest_Extension\GIS\MXDs



Legend

— Track Alignment

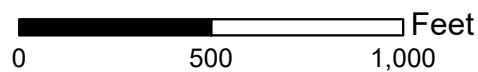
Type

- Limits of Disturbance - Permanent
- Limits of Disturbance - Temporary

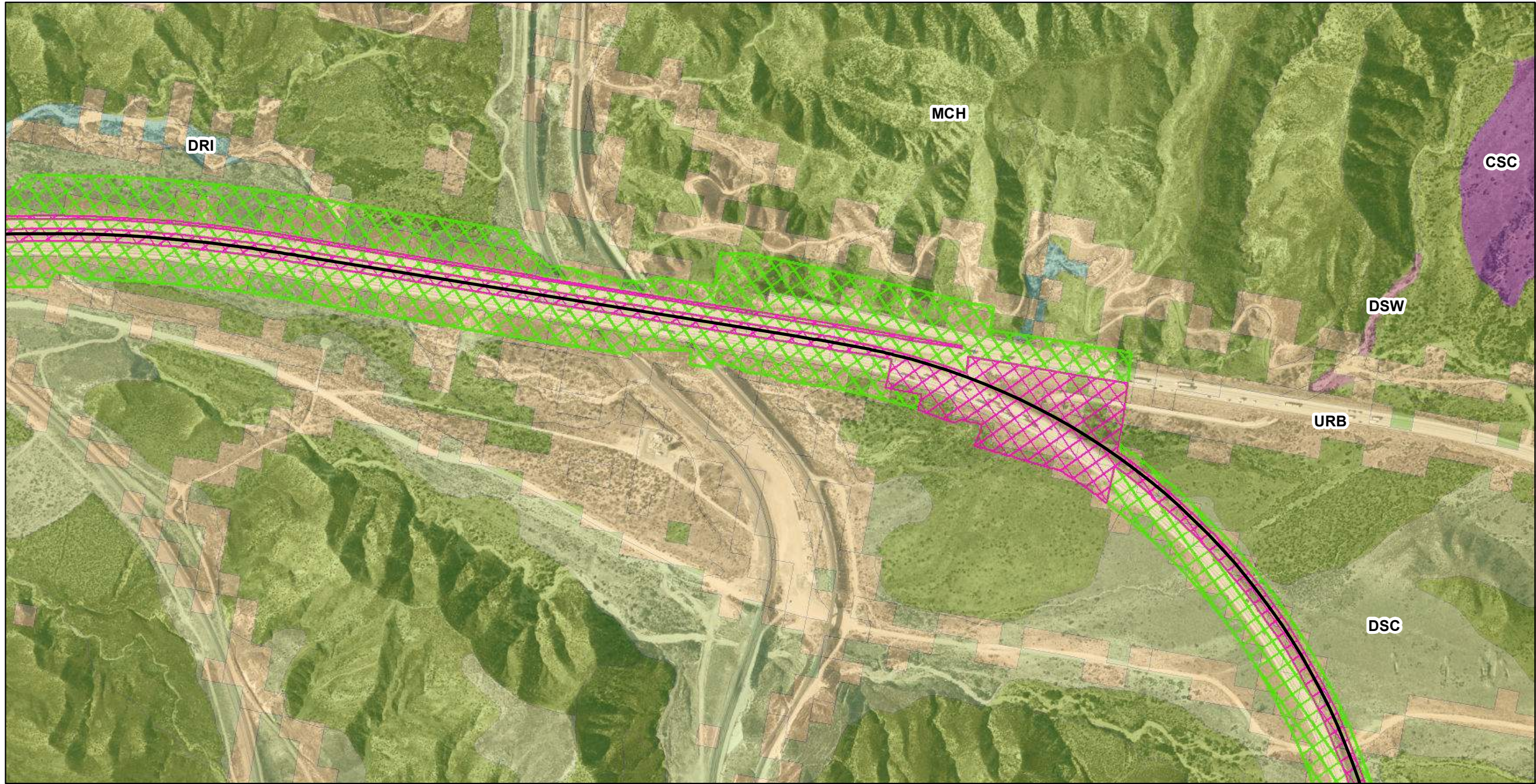
Vegetation Type

- Desert Riparian (DRI)
- Desert Scrub (DSC)
- Desert Wash (DSW)
- Mixed Chaparral (MCH)
- Urban (URB)

Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



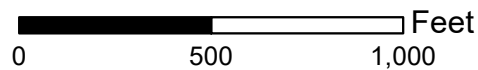
Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\GIS Data\XpressWest Extension\GIS\MXDs



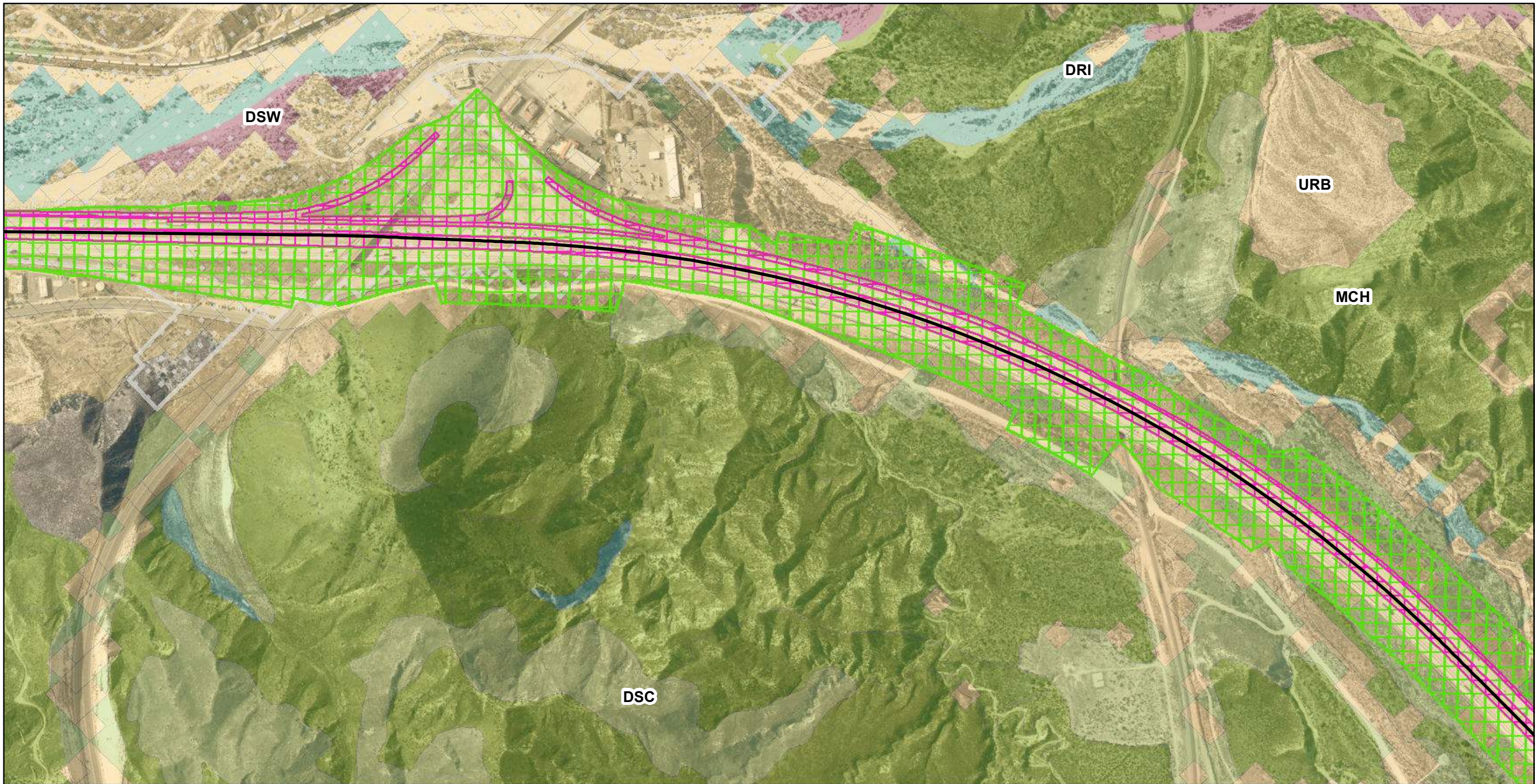
Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Page 24 of 44



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\GIS Data\XpressWest Extension\GIS\MXDs



Legend

— Track Alignment

Type

- Limits of Disturbance - Permanent
- Limits of Disturbance - Temporary

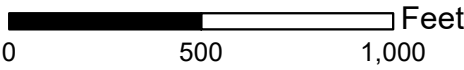
Vegetation Type

- Desert Riparian (DRI)
- Desert Scrub (DSC)
- Desert Wash (DSW)
- Mixed Chaparral (MCH)
- Urban (URB)

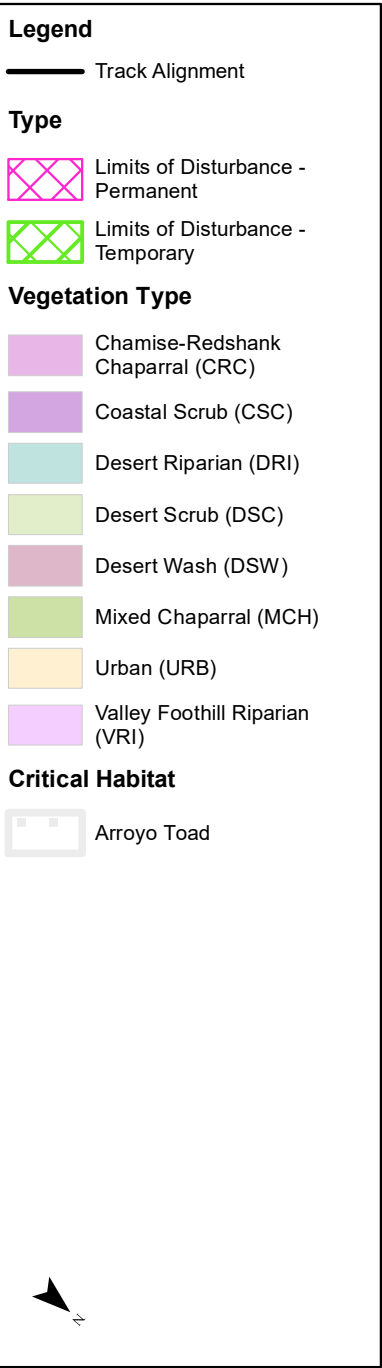
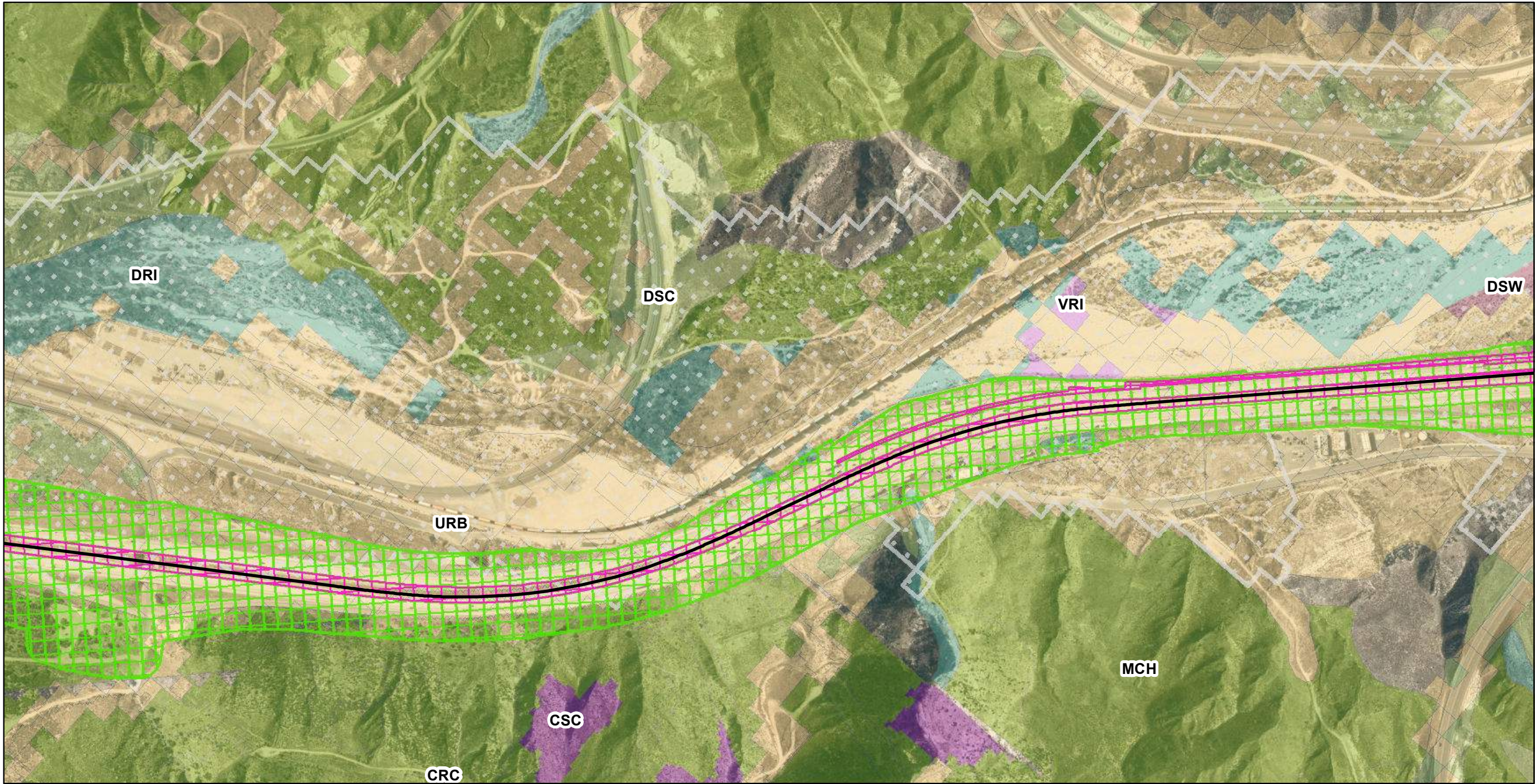
Critical Habitat

- Arroyo Toad

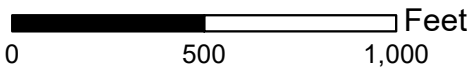
Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



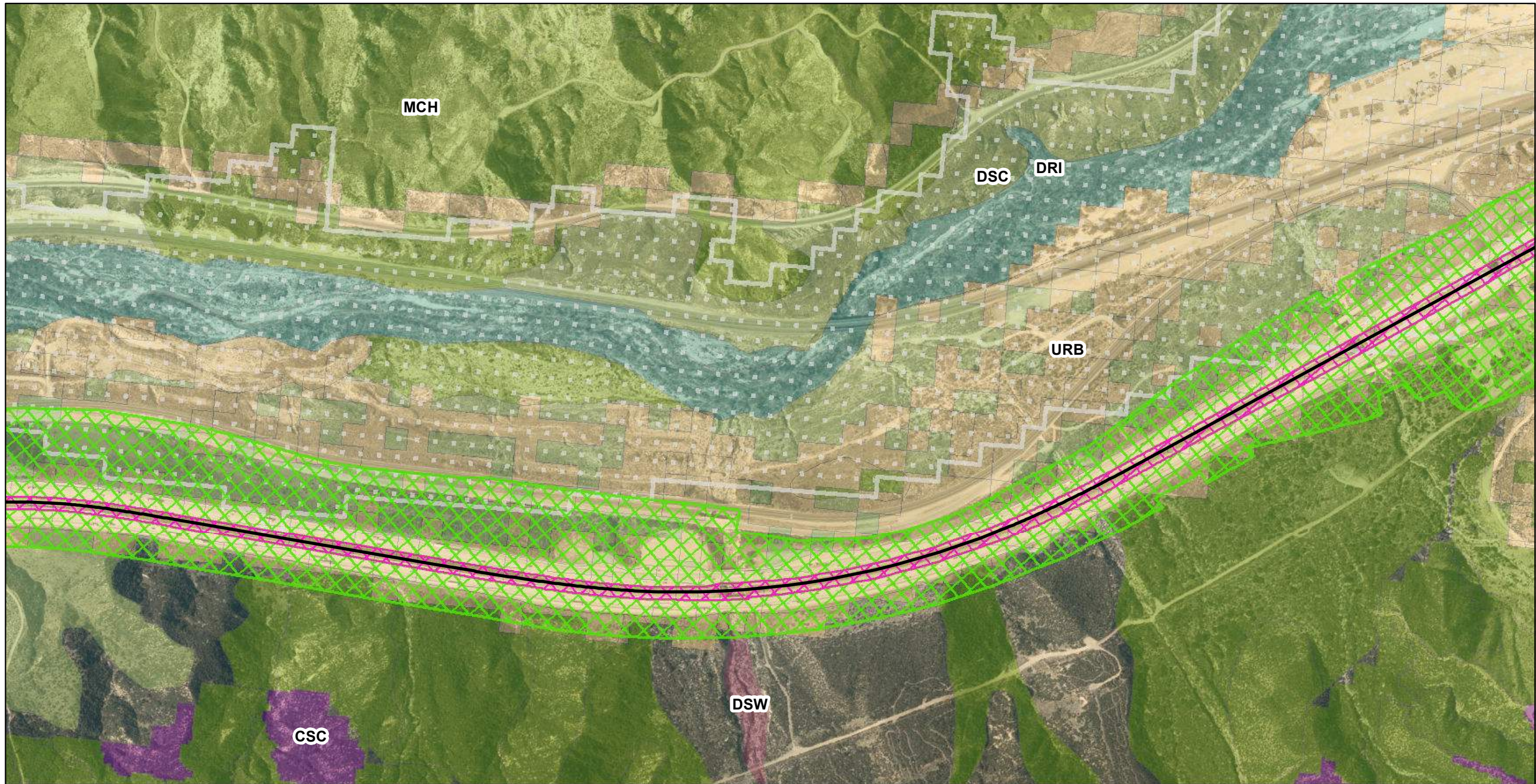
Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B17\XpressWest\WV_Extension08_TechProd\Env\GIS Data\XpressWest\Extension\GIS\MXDs



Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\GIS Data\XpressWest\Extension\GIS\IXDs



Legend

— Track Alignment

Type

- Limits of Disturbance - Permanent
- Limits of Disturbance - Temporary

Vegetation Type

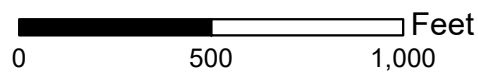
- Coastal Scrub (CSC)
- Desert Riparian (DRI)
- Desert Scrub (DSC)
- Desert Wash (DSW)
- Mixed Chaparral (MCH)
- Urban (URB)

Critical Habitat

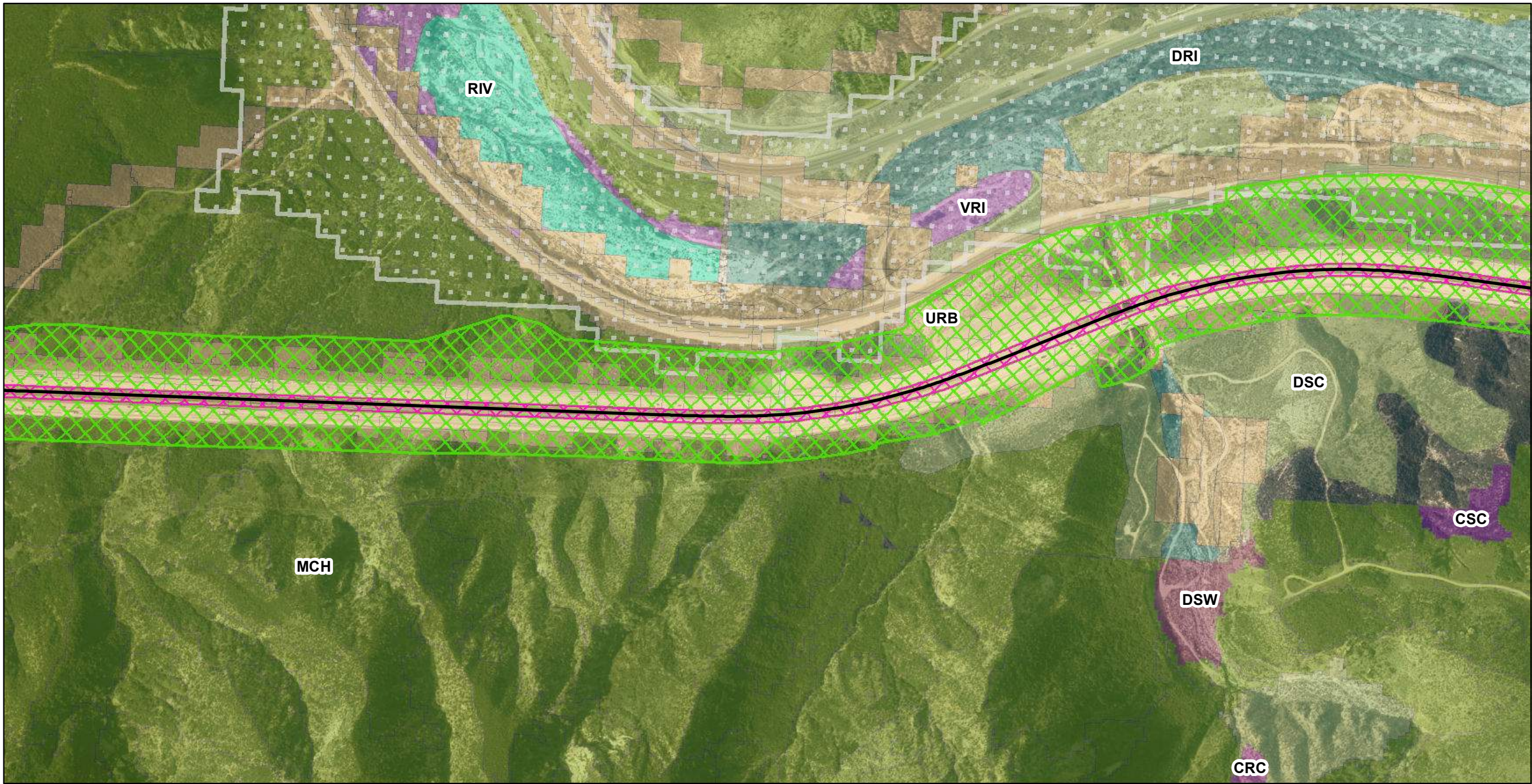
- Arroyo Toad

North arrow pointing up and slightly right.

Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\GIS Data\XpressWest Extension\GIS\MXDs



Legend

— Track Alignment

Type

- [Pink cross-hatch] Limits of Disturbance - Permanent
- [Green cross-hatch] Limits of Disturbance - Temporary

Vegetation Type

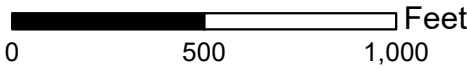
- [Cyan] Chamise-Redshank Chaparral (CRC)
- [Purple] Coastal Scrub (CSC)
- [Blue] Desert Riparian (DRI)
- [Light Green] Desert Scrub (DSC)
- [Pink] Desert Wash (DSW)
- [Dark Green] Mixed Chaparral (MCH)
- [Cyan] Riverine (RIV)
- [Orange] Urban (URB)
- [Purple] Valley Foothill Riparian (VRI)

Critical Habitat

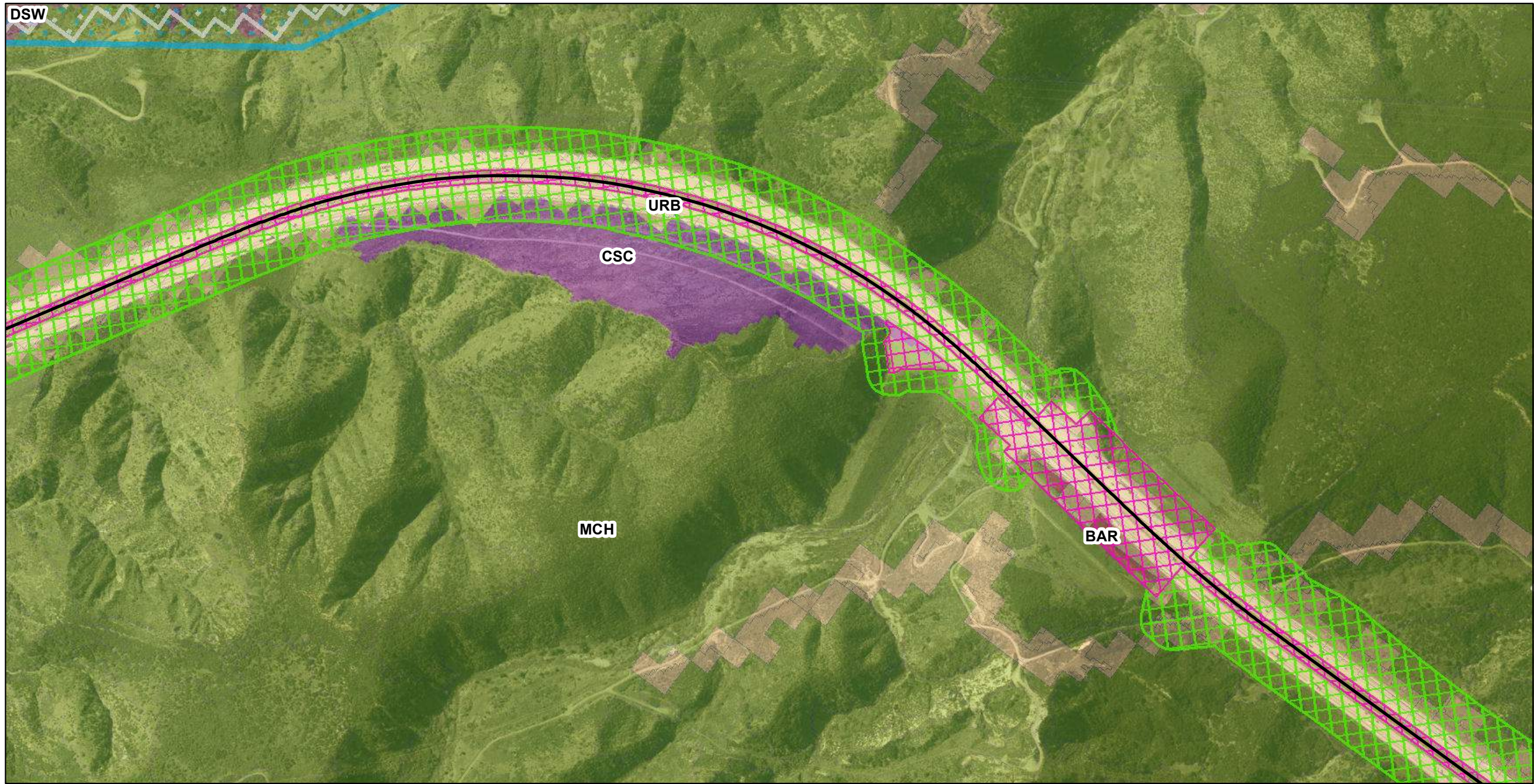
- [Grey dotted] Arroyo Toad

➤ z

Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\GIS Data\XpressWest Extension\GISMXDs



Legend

— Track Alignment

Type

- Limits of Disturbance - Permanent
- Limits of Disturbance - Temporary

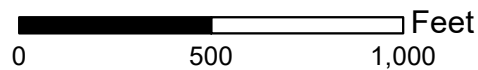
Vegetation Type

- Barren (BAR)
- Coastal Scrub (CSC)
- Desert Wash (DSW)
- Mixed Chaparral (MCH)
- Urban (URB)

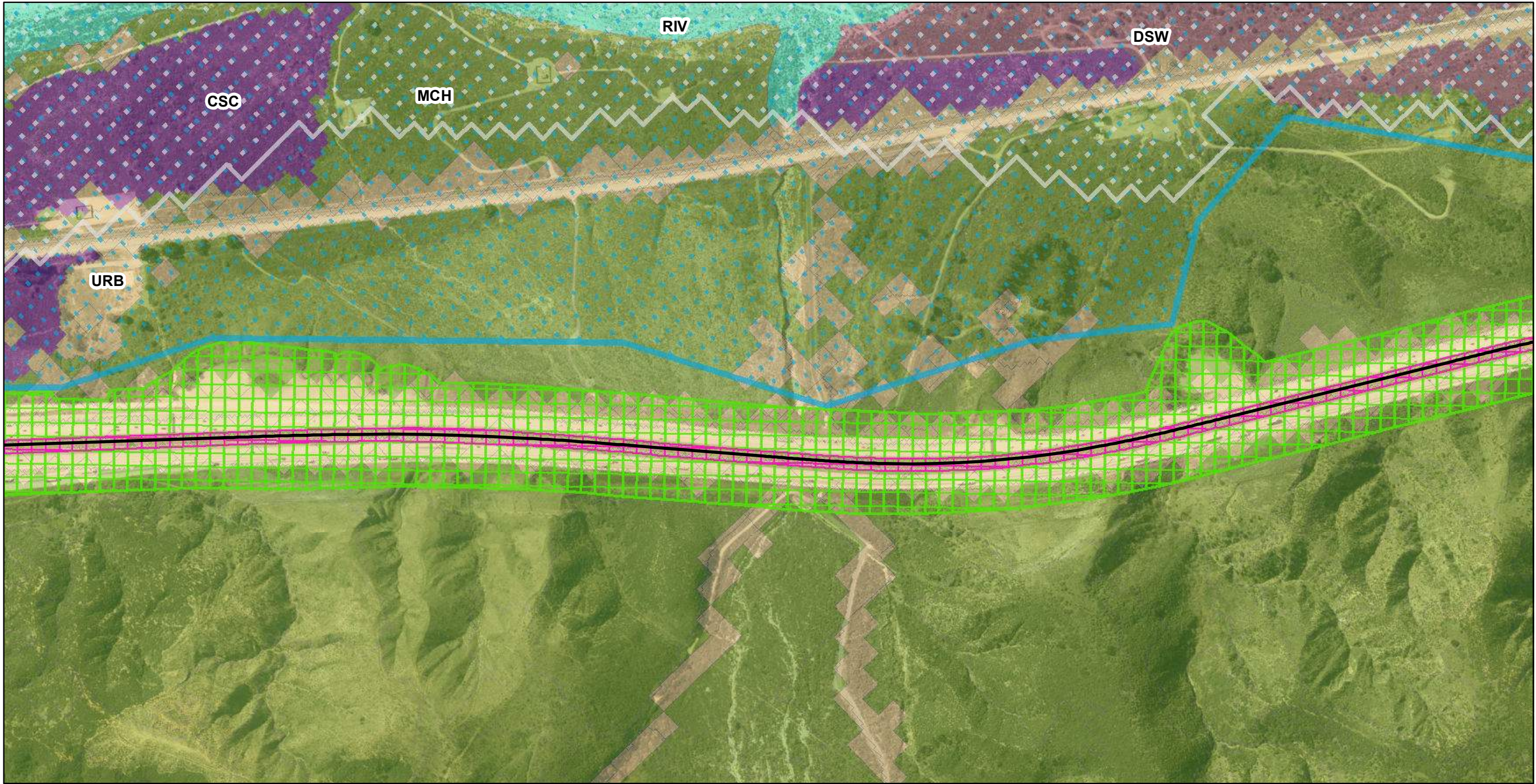
Critical Habitat

- Arroyo Toad
- San Bernardino Kangaroo Rat

Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\GIS Data\XpressWest Extension\GISMXDs



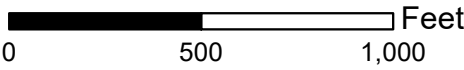
Legend
— Track Alignment

Type
 Limits of Disturbance - Permanent
 Limits of Disturbance - Temporary

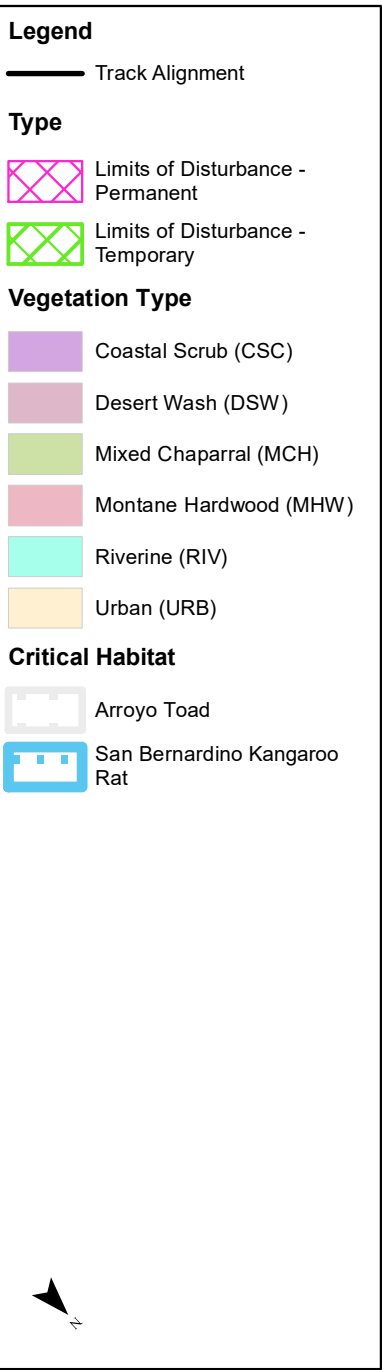
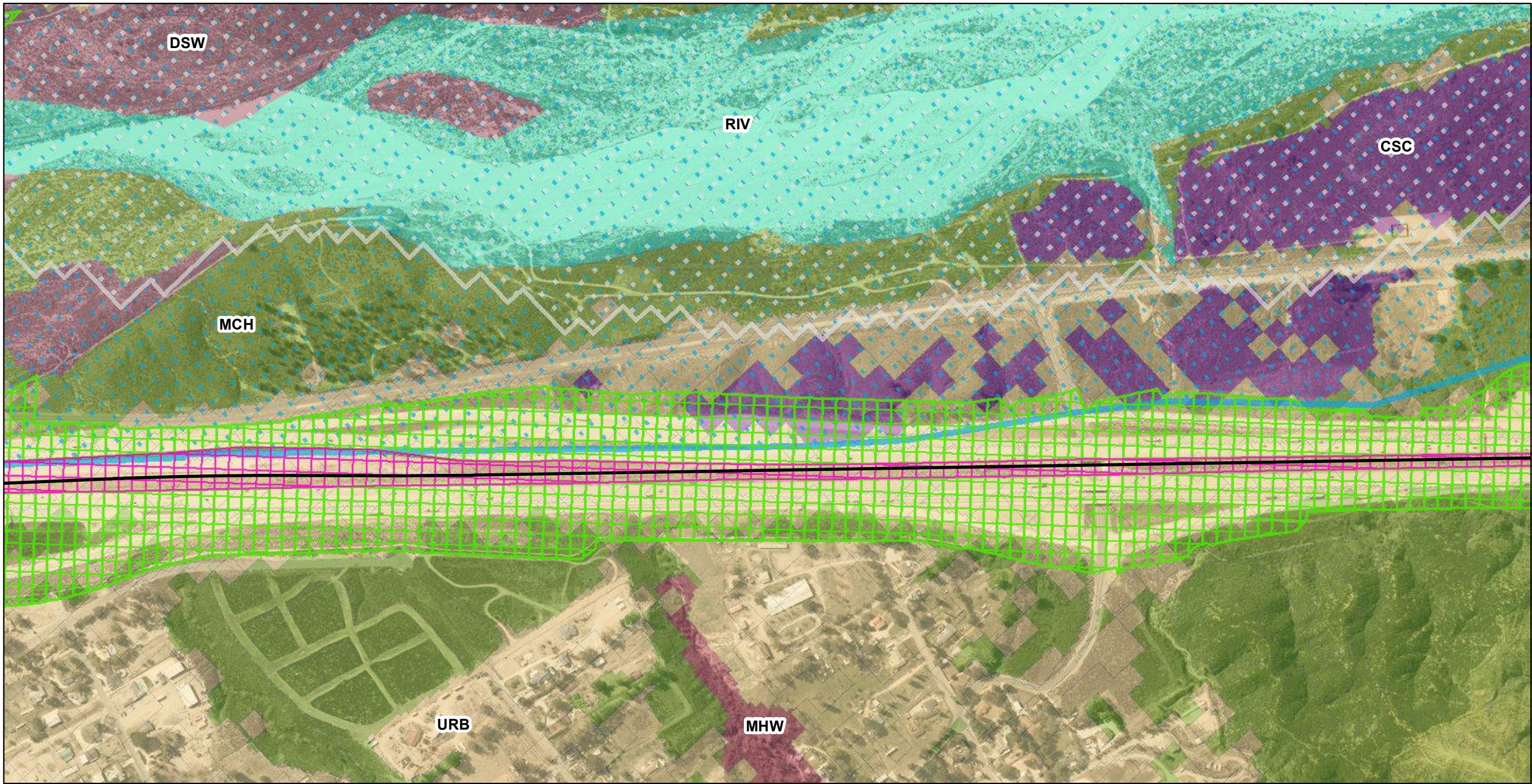
Vegetation Type
 Coastal Scrub (CSC)
 Desert Wash (DSW)
 Mixed Chaparral (MCH)
 Riverine (RIV)
 Urban (URB)

Critical Habitat
 Arroyo Toad
 San Bernardino Kangaroo Rat

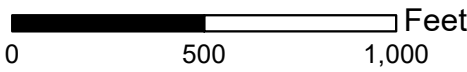
Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



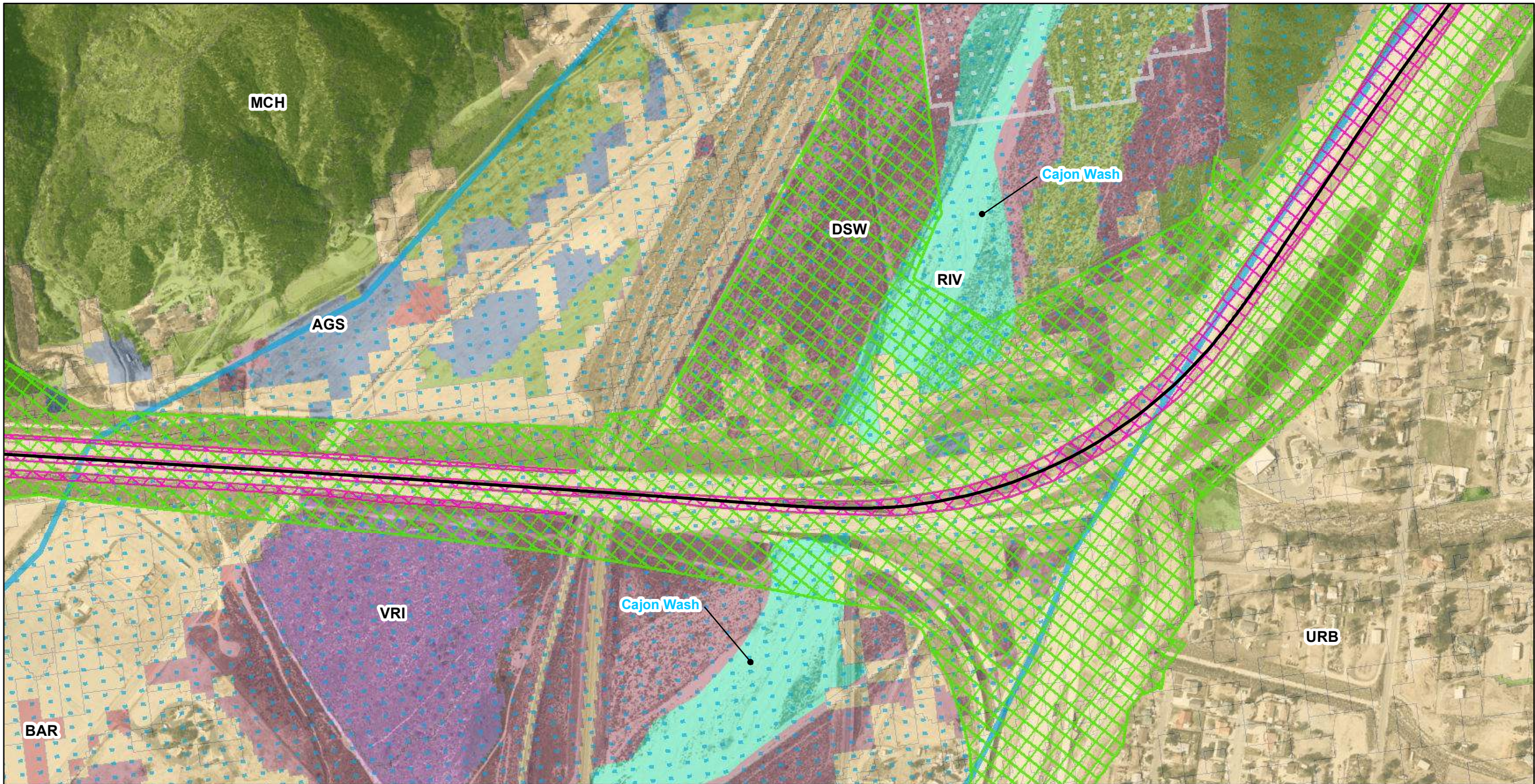
Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\WV_Extension08_TechProd\Env\GIS Data\XpressWest\Extension\GIS\MXDs



Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B17\XpressWest\WV_Extension08_TechProd\Env\GIS Data\XpressWest\Extension\GIS\MXDs



Legend

— Track Alignment

Type

- Limits of Disturbance - Permanent
- Limits of Disturbance - Temporary

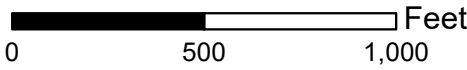
Vegetation Type

- Annual Grassland (AGS)
- Barren (BAR)
- Desert Wash (DSW)
- Mixed Chaparral (MCH)
- Riverine (RIV)
- Urban (URB)
- Valley Foothill Riparian (VRI)

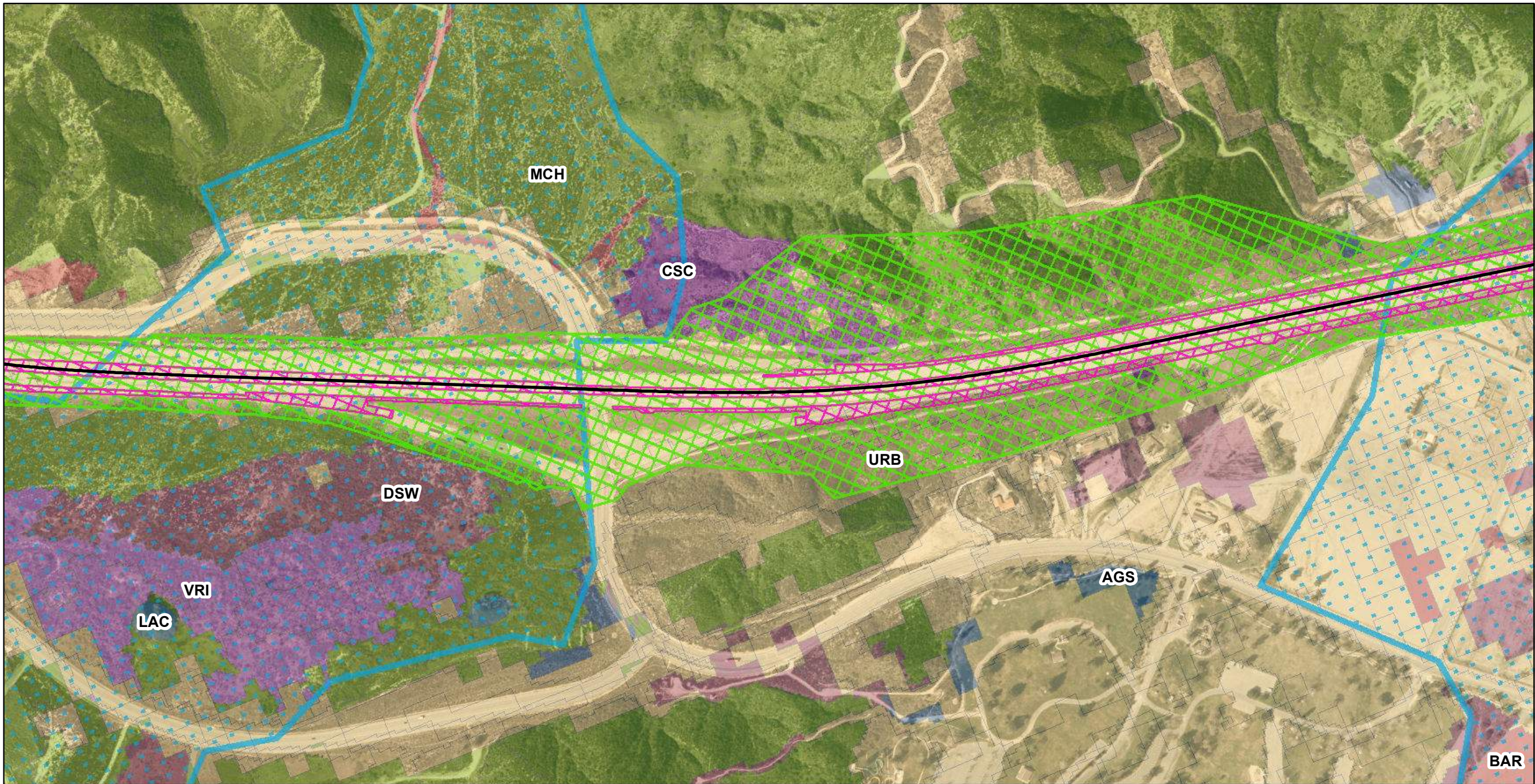
Critical Habitat

- Arroyo Toad
- San Bernardino Kangaroo Rat

Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\WV_Extension08_TechProd\Env\GIS Data\XpressWest\Extension\GIS\IXDs



Legend

— Track Alignment

Type

- Limits of Disturbance - Permanent
- Limits of Disturbance - Temporary

Vegetation Type

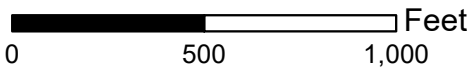
- Annual Grassland (AGS)
- Barren (BAR)
- Coastal Scrub (CSC)
- Desert Wash (DSW)
- Lacustrine (LAC)
- Mixed Chaparral (MCH)
- Urban (URB)
- Valley Foothill Riparian (VRI)

Critical Habitat

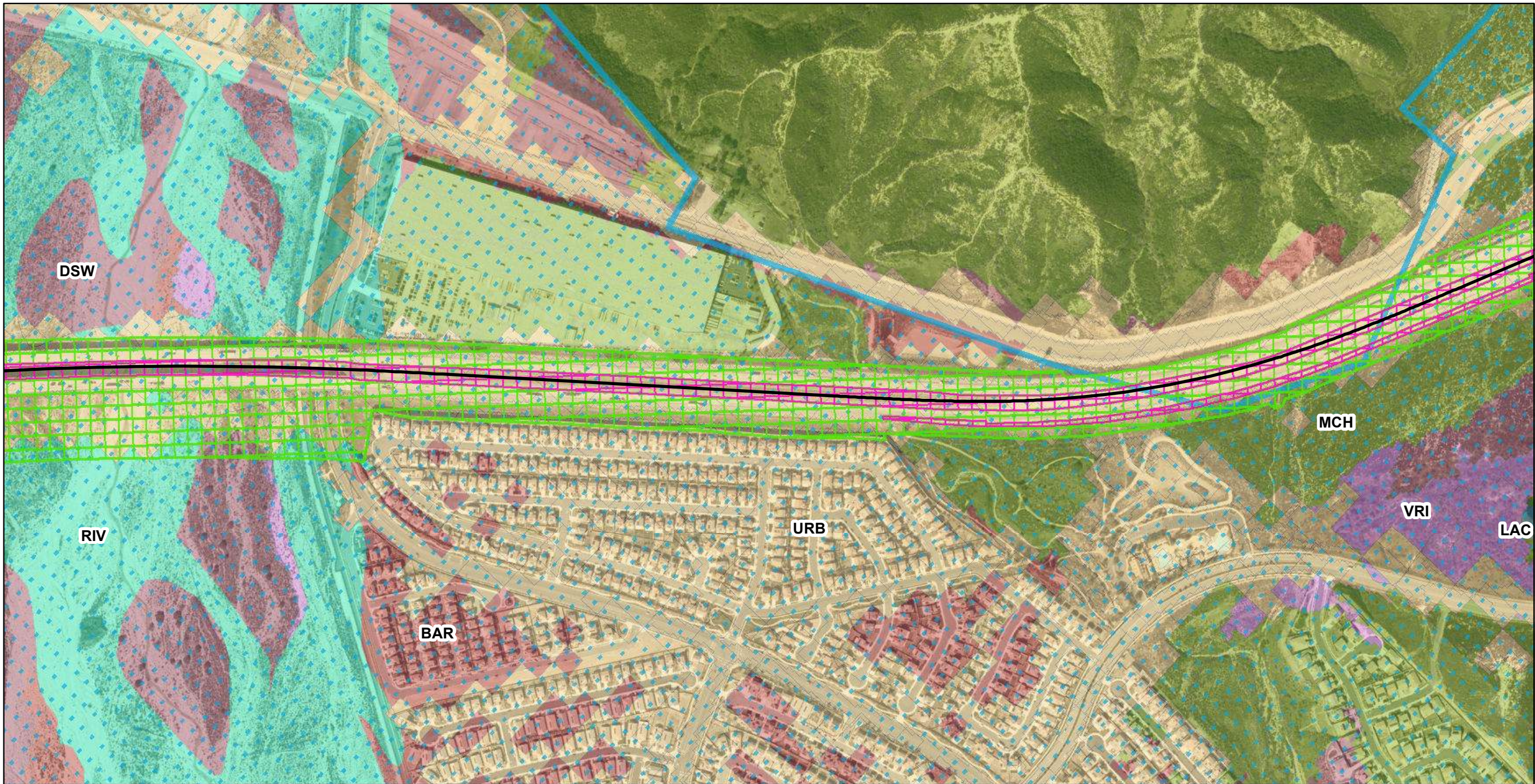
- San Bernardino Kangaroo Rat

North arrow pointing up and slightly to the right.

Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B17\XpressWest\WV_Extension08_TechProd\Env\GIS Data\XpressWest\Extension\GIS\MXDs



Legend

— Track Alignment

Type

- Limits of Disturbance - Permanent
- Limits of Disturbance - Temporary

Vegetation Type

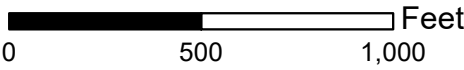
- Barren (BAR)
- Desert Wash (DSW)
- Lacustrine (LAC)
- Mixed Chaparral (MCH)
- Riverine (RIV)
- Urban (URB)
- Valley Foothill Riparian (VRI)

Critical Habitat

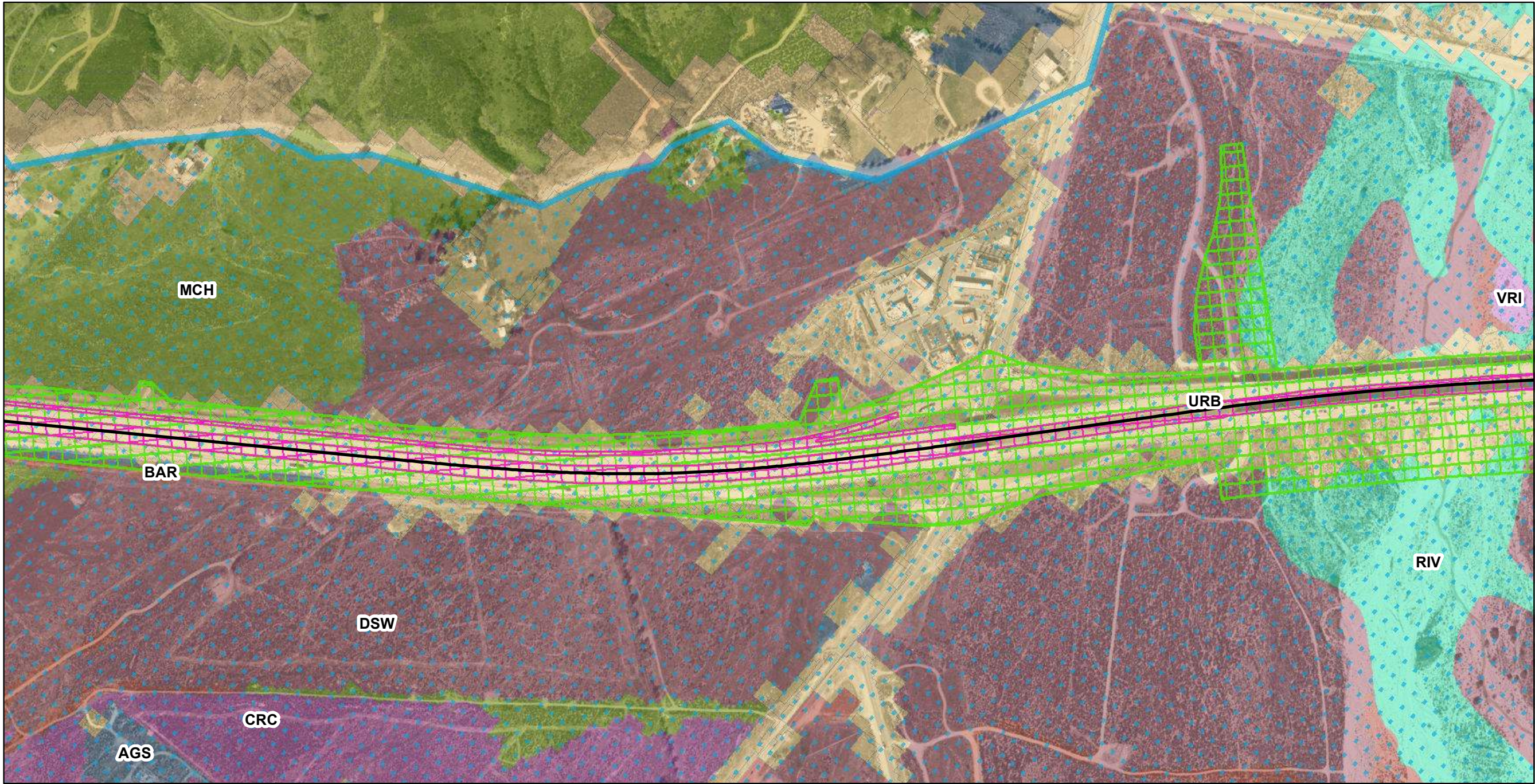
- San Bernardino Kangaroo Rat

North arrow pointing up and slightly to the right.

Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B17\XpressWest\WV_Extension08_TECHPROD\Env\GIS Data\XpressWest\Extension\GIS\MXDs



Legend

— Track Alignment

Type

- Limits of Disturbance - Permanent
- Limits of Disturbance - Temporary

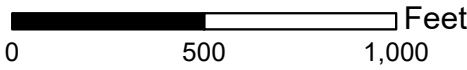
Vegetation Type

- Annual Grassland (AGS)
- Barren (BAR)
- Chamise-Redshank Chaparral (CRC)
- Desert Wash (DSW)
- Mixed Chaparral (MCH)
- Riverine (RIV)
- Urban (URB)
- Valley Foothill Riparian (VRI)

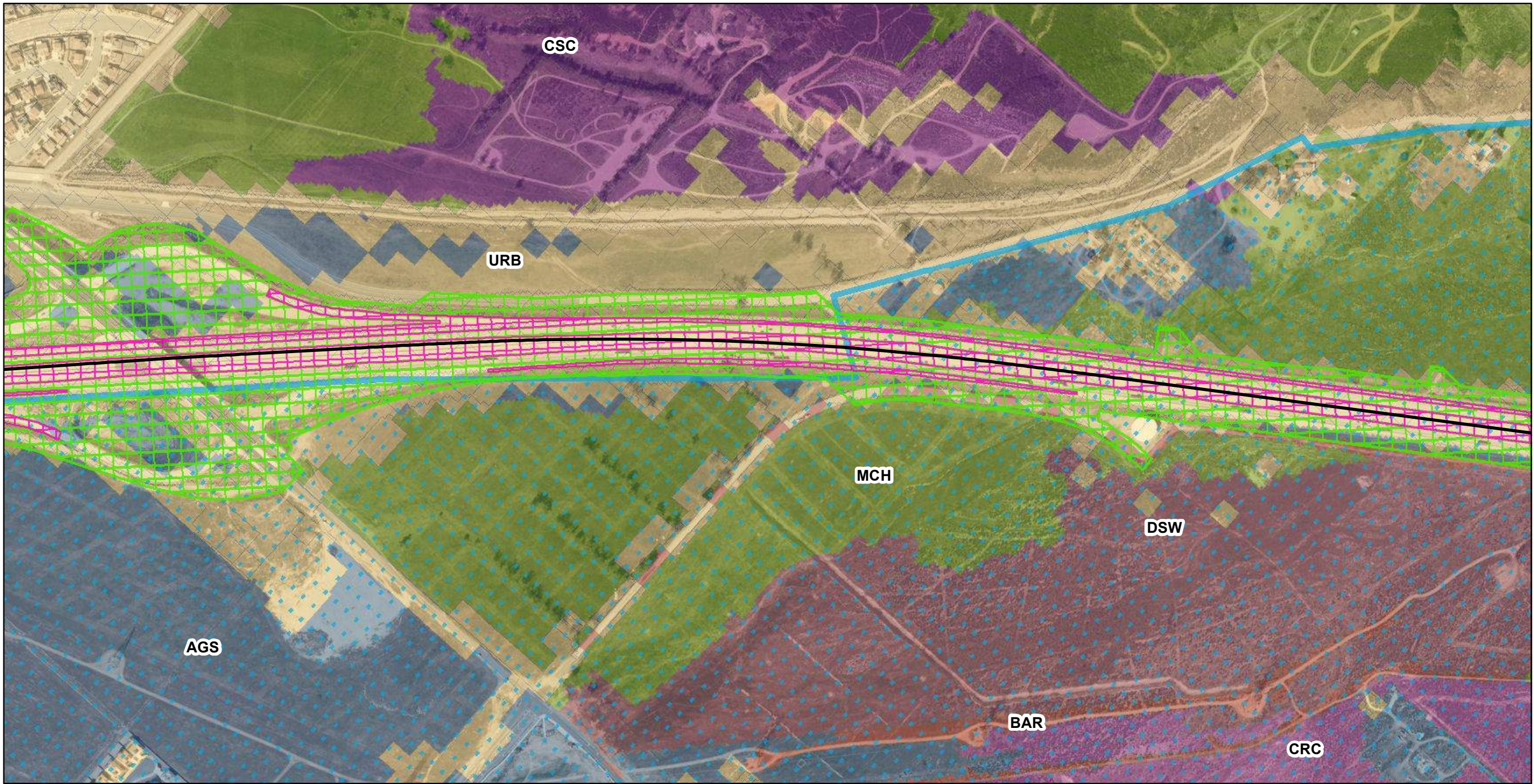
Critical Habitat

- San Bernardino Kangaroo Rat

Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\WV_Extension08_TechProd\Env\GIS Data\XpressWest\Extension\GIS\MXDs



Legend

— Track Alignment

Type

- Limits of Disturbance - Permanent
- Limits of Disturbance - Temporary

Vegetation Type

- Annual Grassland (AGS)
- Barren (BAR)
- Chamise-Redshank Chaparral (CRC)
- Coastal Scrub (CSC)
- Desert Wash (DSW)
- Mixed Chaparral (MCH)
- Urban (URB)

Critical Habitat

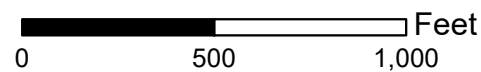
- San Bernardino Kangaroo Rat

North arrow pointing up and slightly to the right.

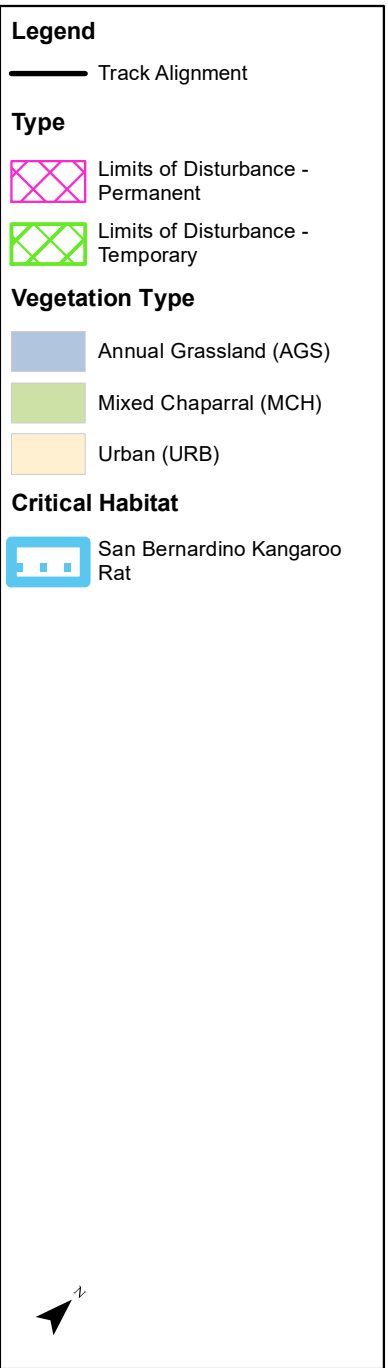
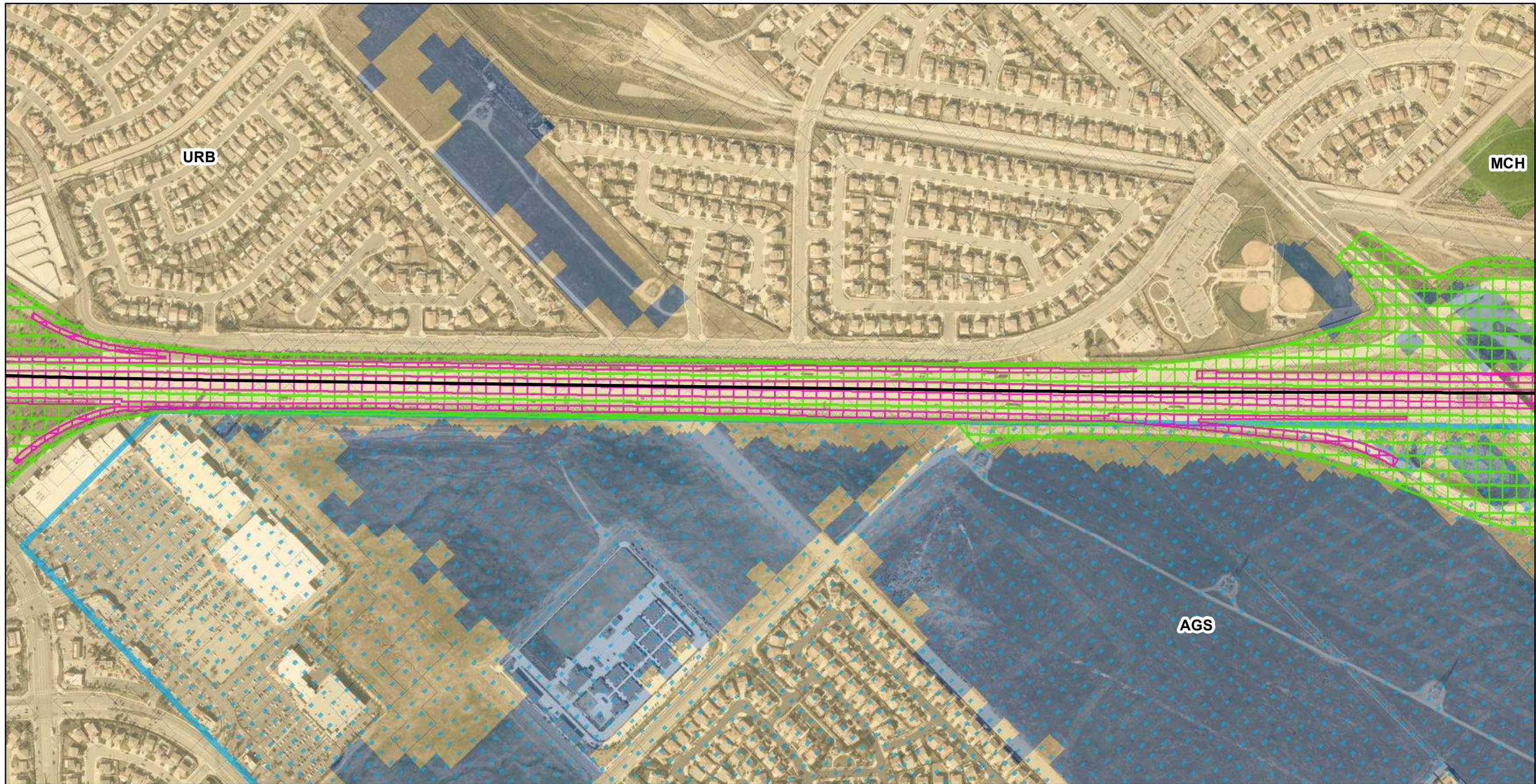
Wildlife Habitat Impacts

Cajon Pass High-Speed Rail

Victor Valley to Rancho Cucamonga, San Bernardino County, California



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\WV_Extension08_TechProd\Env\GIS Data\XpressWest\Extension\GIS\MXDs



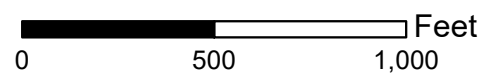
Wildlife Habitat Impacts

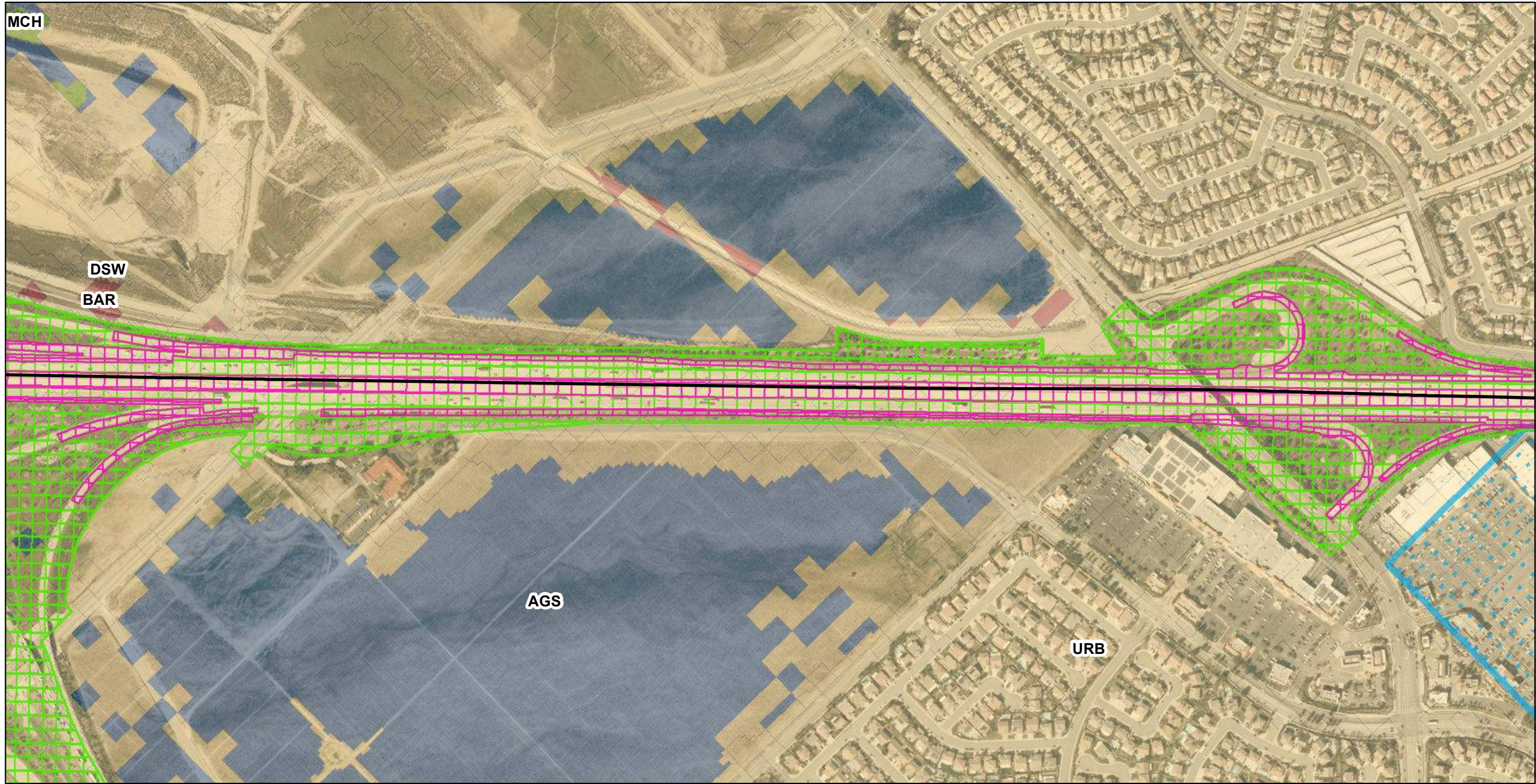
Cajon Pass High-Speed Rail

Victor Valley to Rancho Cucamonga, San Bernardino County, California



Page 37 of 44





Legend

— Track Alignment

Type

▨ Limits of Disturbance - Permanent

▨ Limits of Disturbance - Temporary

Vegetation Type

■ Annual Grassland (AGS)

■ Barren (BAR)

■ Desert Wash (DSW)

■ Mixed Chaparral (MCH)

■ Urban (URB)

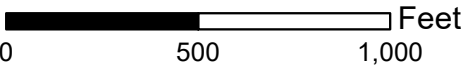
Critical Habitat

■ San Bernardino Kangaroo Rat

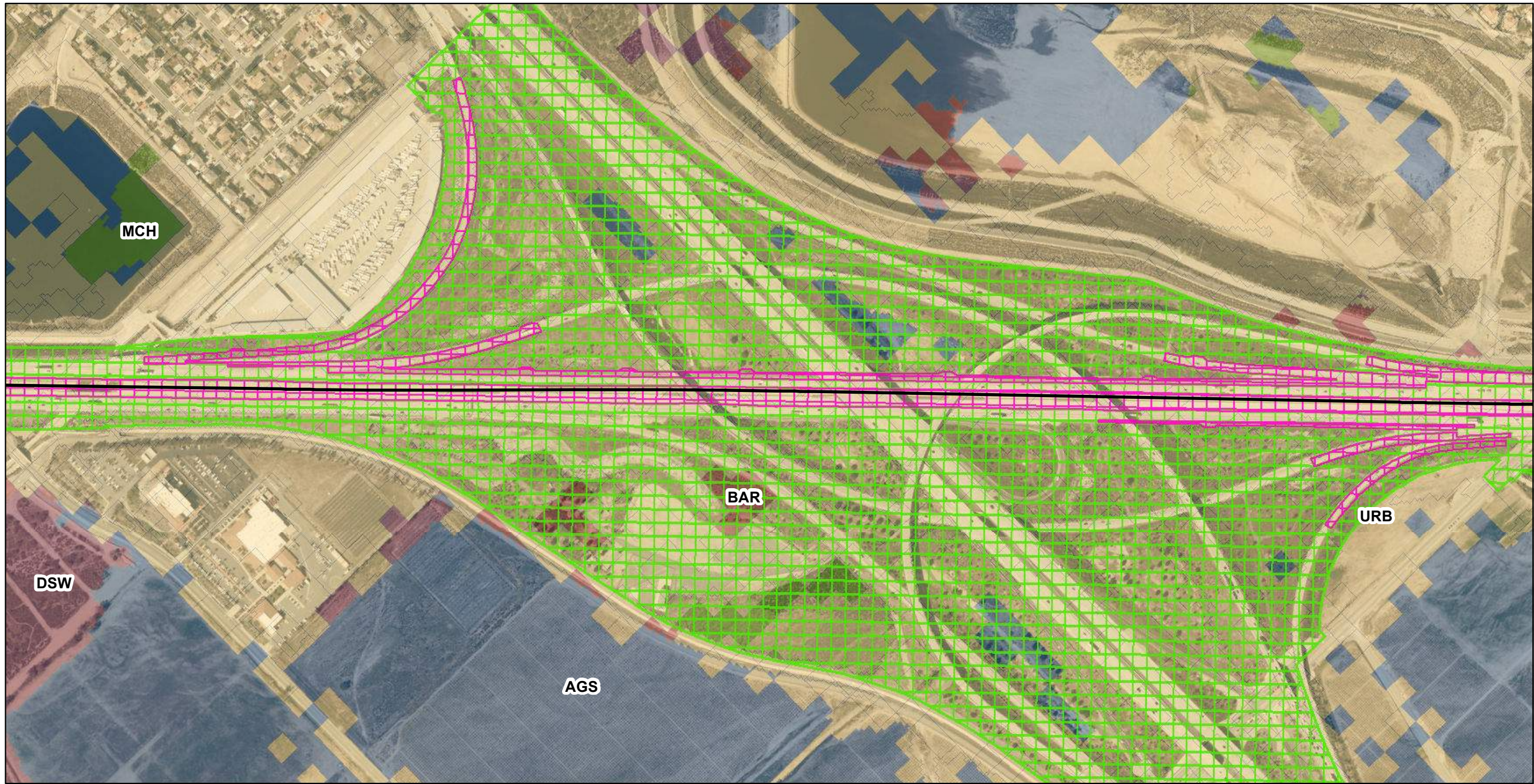
↑ N

Date Saved: 6/9/2022 4:24:01 PM
 Version: Revised from April 2022 map set
 Document Path: A:\GIS\B1\XpressWest\GIS Data\XpressWest Extension\GIS\MXDs

Wildlife Habitat Impacts Cajon Pass High-Speed Rail Victor Valley to Rancho Cucamonga, San Bernardino County, California



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\75161\XpressWest\GIS Data\XpressWest\GIS\MapDocs



Legend

— Track Alignment

Type

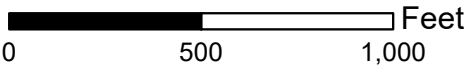
- [Magenta Grid] Limits of Disturbance - Permanent
- [Green Grid] Limits of Disturbance - Temporary

Vegetation Type

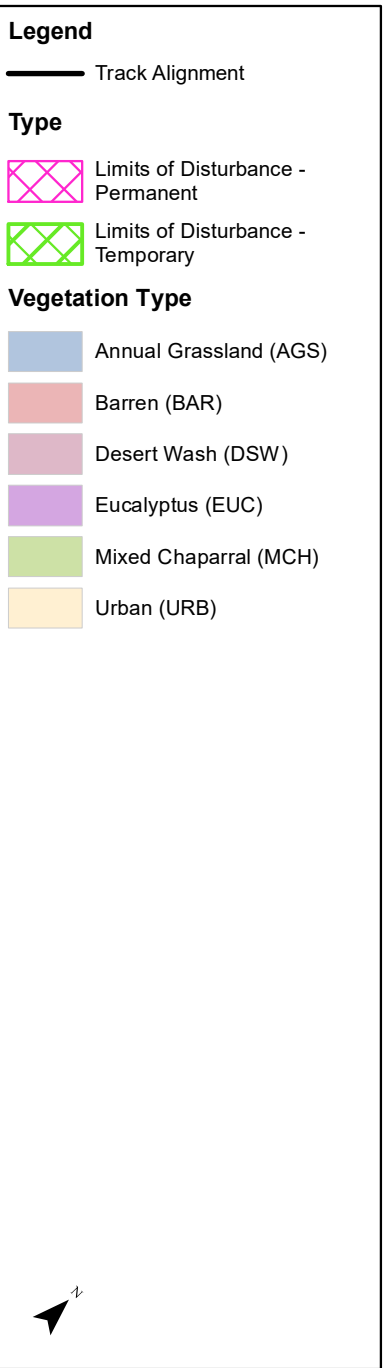
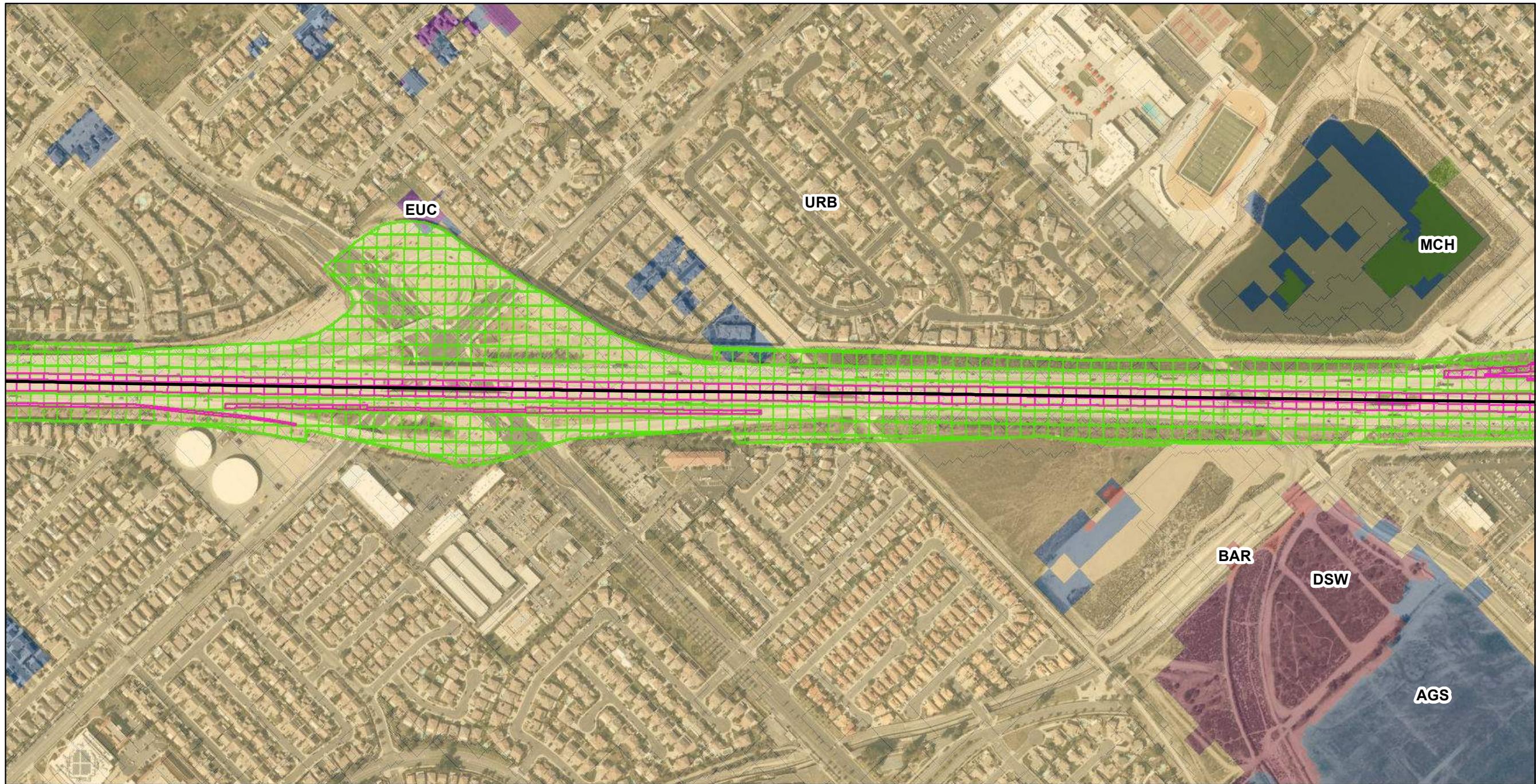
- [Blue] Annual Grassland (AGS)
- [Red] Barren (BAR)
- [Purple] Desert Wash (DSW)
- [Green] Mixed Chaparral (MCH)
- [Orange] Urban (URB)

North Arrow

Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



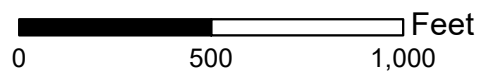
Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\75161\XpressWest\GIS Data\XpressWest\Extension\GIS\IMXD



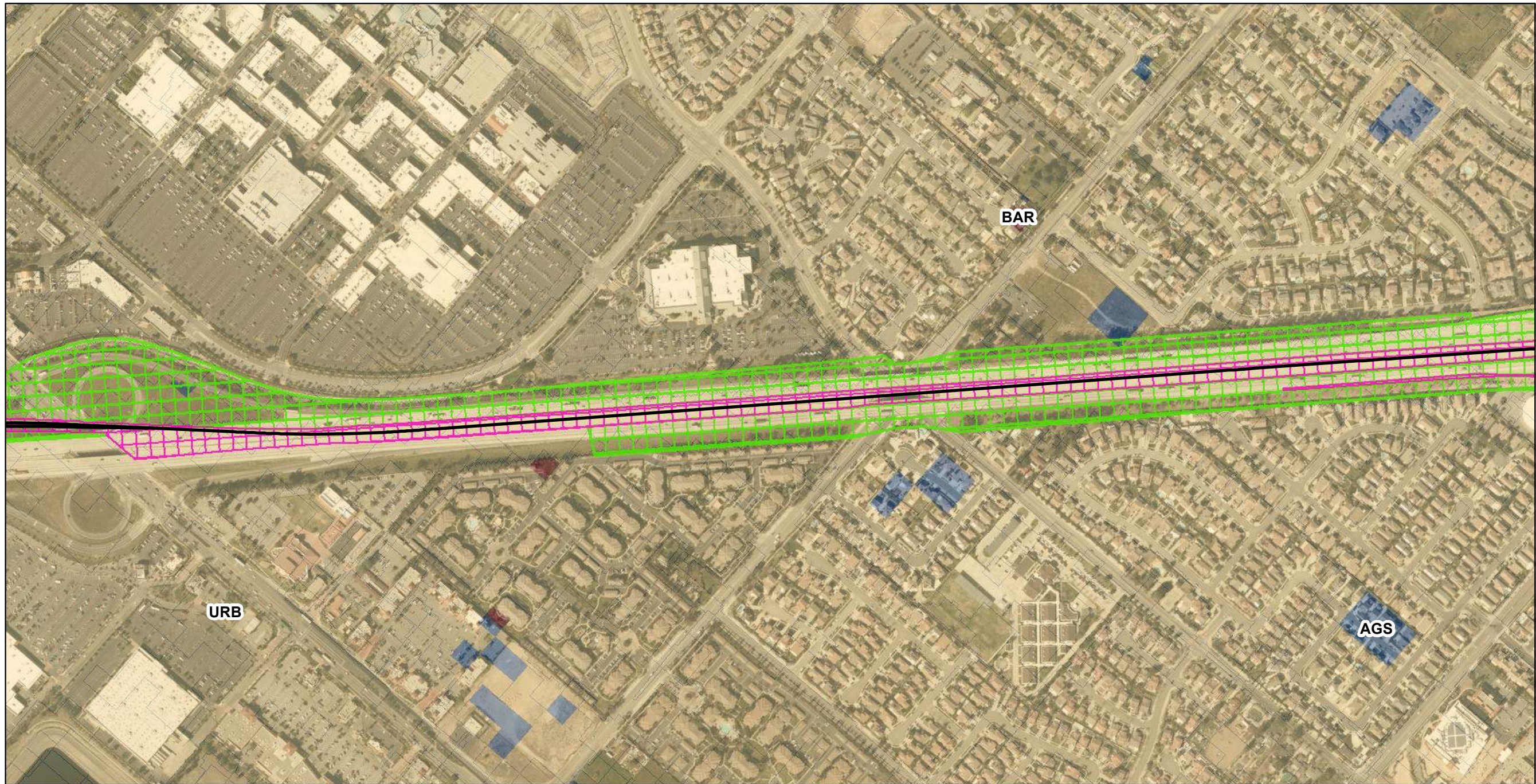
Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Page 40 of 44



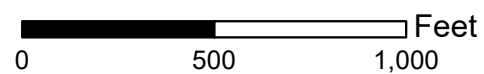
Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\GIS Data\XpressWest Extension\GIS\MXDs



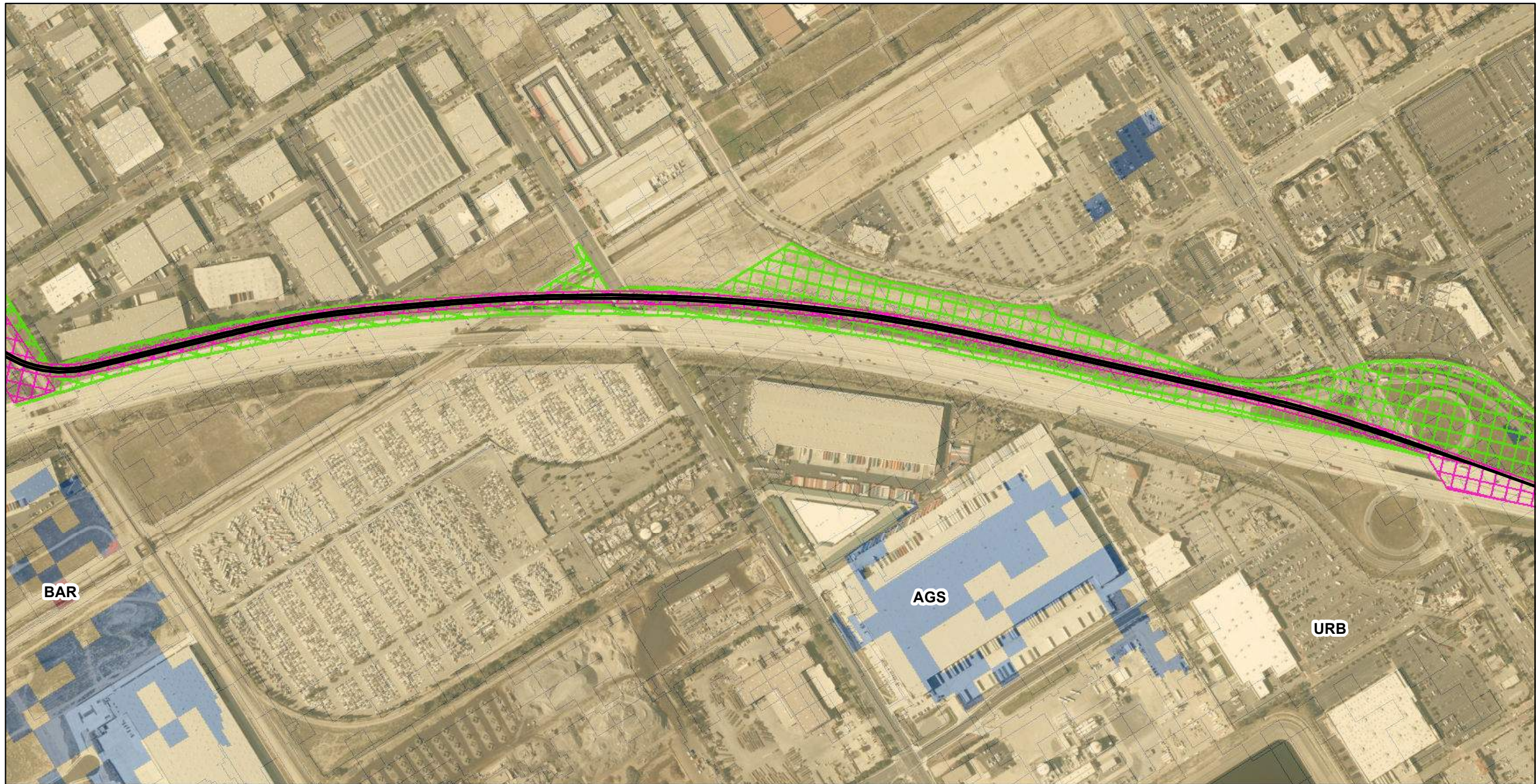
Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Page 41 of 44



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\WV_Extension08_TechProd\Env\GIS Data\XpressWest\Extension\GIS\MXDs



Legend

— Track Alignment

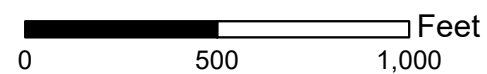
Type

- Limits of Disturbance - Permanent
- Limits of Disturbance - Temporary

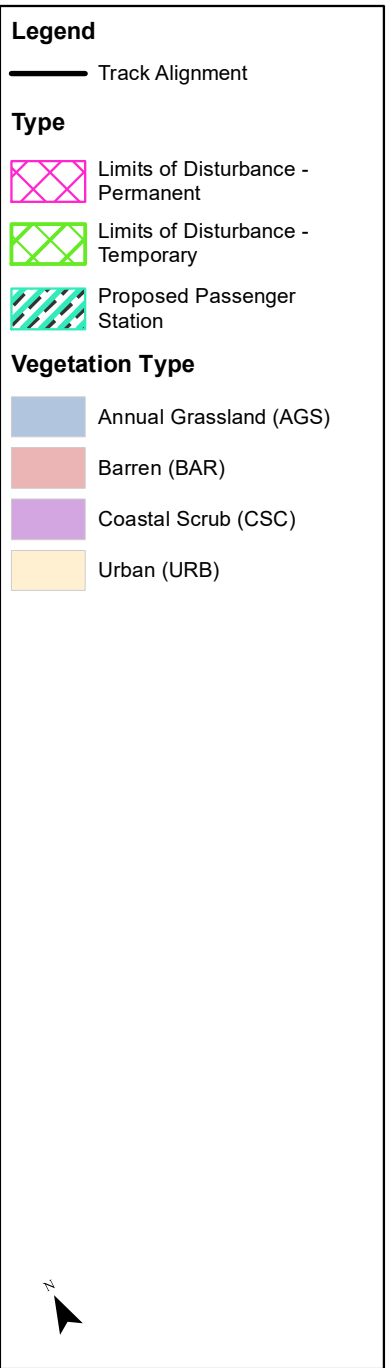
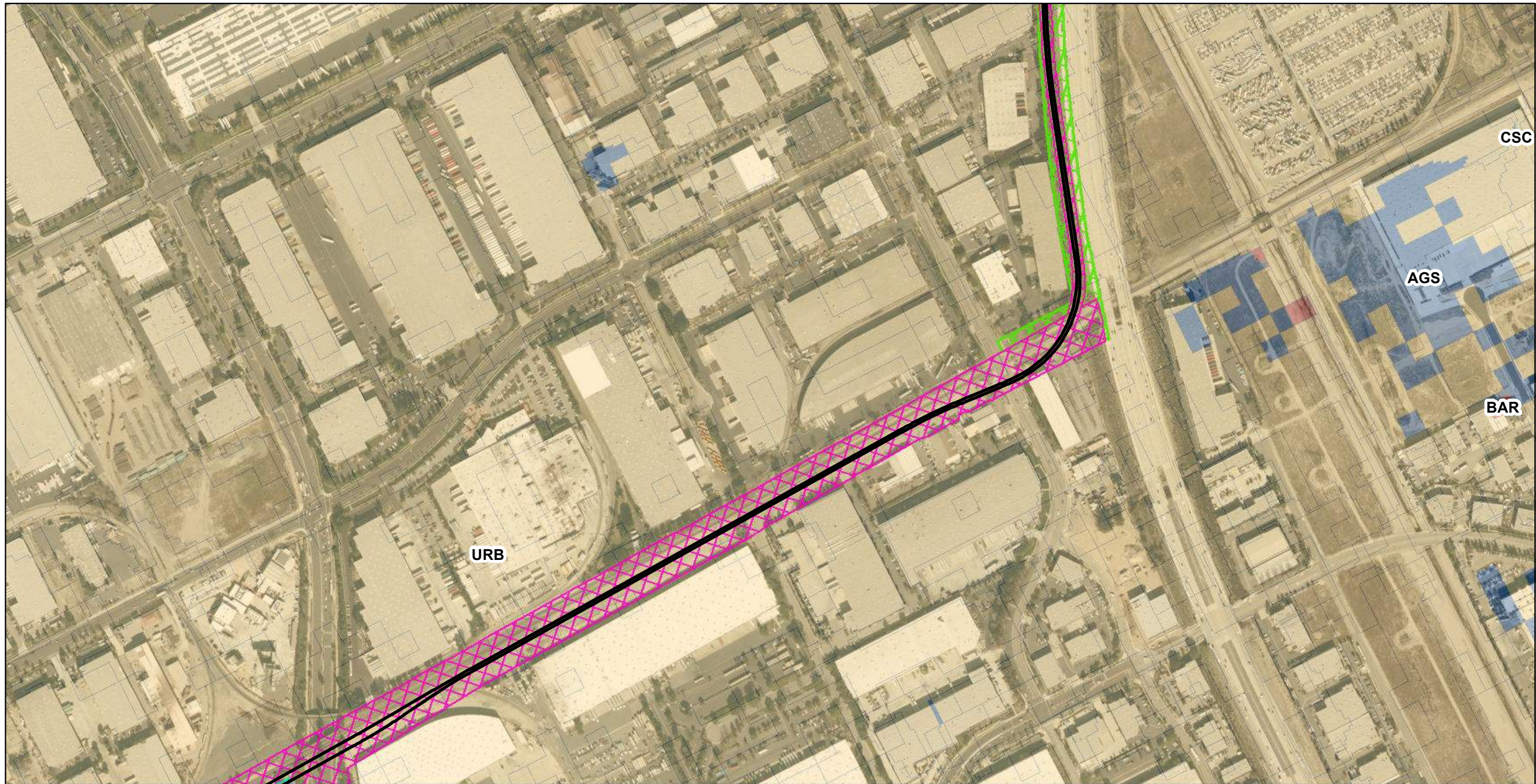
Vegetation Type

- Annual Grassland (AGS)
- Barren (BAR)
- Urban (URB)

Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



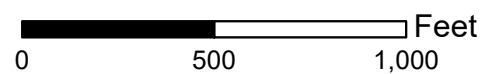
Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\GIS Data\XpressWest Extension\GIS\MXDs



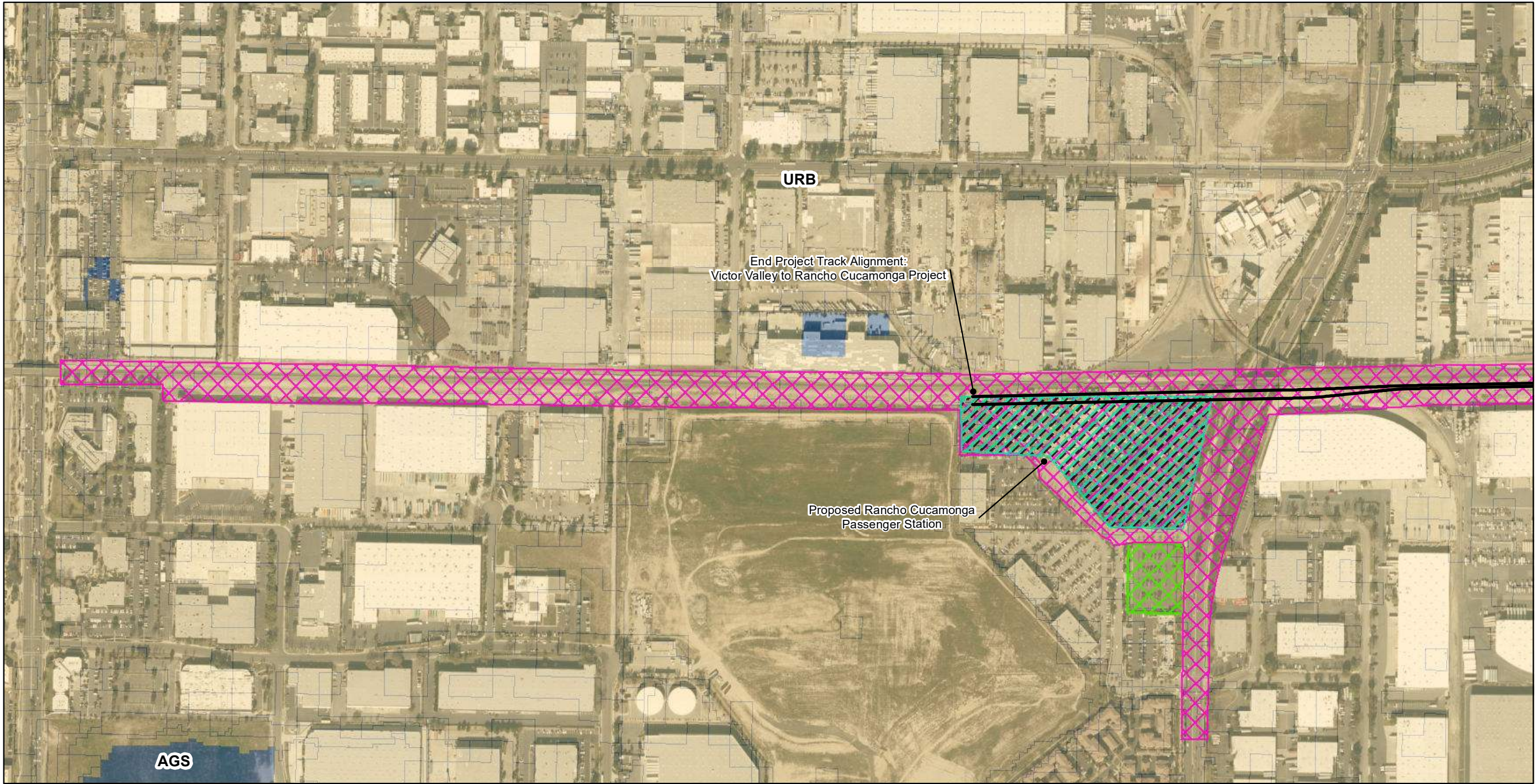
Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Page 43 of 44



Date Saved: 6/9/2022 4:24:01 PM
Version: Revised from April 2022 map set
Document Path: A:\GIS\B1\XpressWest\WV_Extension08_TechProd\Env\GIS Data\XpressWest\Extension\GIS\MXDs



Legend

— Track Alignment

Type

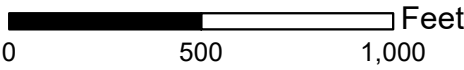
- Limits of Disturbance - Permanent
- Limits of Disturbance - Temporary
- Proposed Passenger Station

Vegetation Type

- Annual Grassland (AGS)
- Urban (URB)

N

Wildlife Habitat Impacts
Cajon Pass High-Speed Rail
Victor Valley to Rancho Cucamonga, San Bernardino County, California



Appendix B

Migratory Bird Species and their Phenology

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (||)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (—)

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.