



BOARD OF SUPERVISORS AGENDA ITEM REPORT

Requested Board Meeting Date: 11/7/2023

*= Mandatory, information must be provided

Click or tap the boxes to enter text. If not applicable, indicate "N/A".

***Title:**

Approval of a Riparian Habitat Mitigation In-Lieu Fee Proposal for Placement of a Transmission Line for SunZia

***Introduction/Background:**

Chapter 16.30 of the Pima County Floodplain Management Ordinance No. 2010-FC5 (Ordinance) requires mitigation for mapped riparian habitat disturbances greater than 1/3 acre. If a project site contains suitable area(s) for riparian restoration, enhancement, or establishment, onsite mitigation occurs in accordance with the adopted Regulated Riparian Habitat Mitigation Standards and Implementation Guidelines. The Ordinance contains a provision for mitigation banking, when on-site mitigation is not feasible. All offsite mitigation proposals require Flood Control District Board of Directors review and approval.

***Discussion:**

The applicant, Jill Bunnell an Environmental Scientist with the engineering firm Canacre, has applied for a Floodplain Use Permit to construct approximately a 20-mile transmission line located near the northeast boundary of the county. The project area is impacted by mapped Regulated Riparian Habitat (RRH). The disturbances to the RRH are from the access road (3.26 acres) and construction work areas (0.90 acres). The project area is undisturbed state land and there is not a water source for mitigation plantings, as a result, Ms. Bunnell has prepared a Riparian Habitat Mitigation In-Lieu Fee Proposal and is proposing to contribute a fee of \$110,656 in lieu of onsite mitigation.

***Conclusion:**

Acceptance of mitigation banking funds in-lieu of onsite mitigation is allowed under the Ordinance. Contributions to the mitigation bank for disturbance of this habitat will provide funds to be used toward purchase of high value resources or towards restoration of degraded riparian habitat within Pima County.

***Recommendation:**

The In-Lieu Fee Proposal conforms to the Ordinance and the Guidelines, and, as such, the District recommends approval.

***Fiscal Impact:**

\$110,656.00

***Board of Supervisor District:**



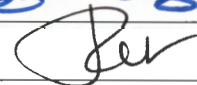
1 2 3 4 5 All

Department: Regional Flood Control District

Telephone: 724-4600

Contact: Patricia Gilbert

Telephone: 724-4606

Department Director Signature: _____		Date: <u>10/3/23</u>
Deputy County Administrator Signature: _____		Date: <u>10/4/2023</u>
County Administrator Signature: _____		Date: <u>10/4/2023</u>

DATE: September 27, 2023

TO: Flood Control District Board of Directors

FROM: Eric Shepp, P.E.
Director

SUBJECT: Approval of a Riparian Habitat Mitigation In-Lieu Fee Proposal for Placement of a Transmission Line for SunZia (District 4)

Background

Chapter 16.30 of the Pima County Floodplain Management Ordinance No. 2010-FC5 (Ordinance) requires mitigation for mapped riparian habitat disturbances greater than 1/3 acre. If a project site contains suitable area(s) for riparian restoration, enhancement, or establishment, onsite mitigation occurs in accordance with the adopted *Regulated Riparian Habitat Mitigation Standards and Implementation Guidelines*. The Ordinance contains a provision for mitigation banking, when on-site mitigation is not feasible. All offsite mitigation proposals require Flood Control District Board of Directors (Board) review and approval.

Report

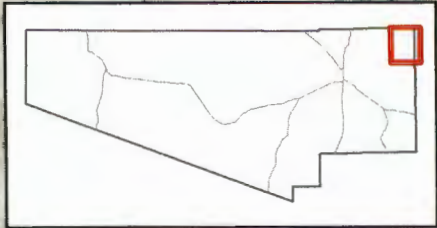
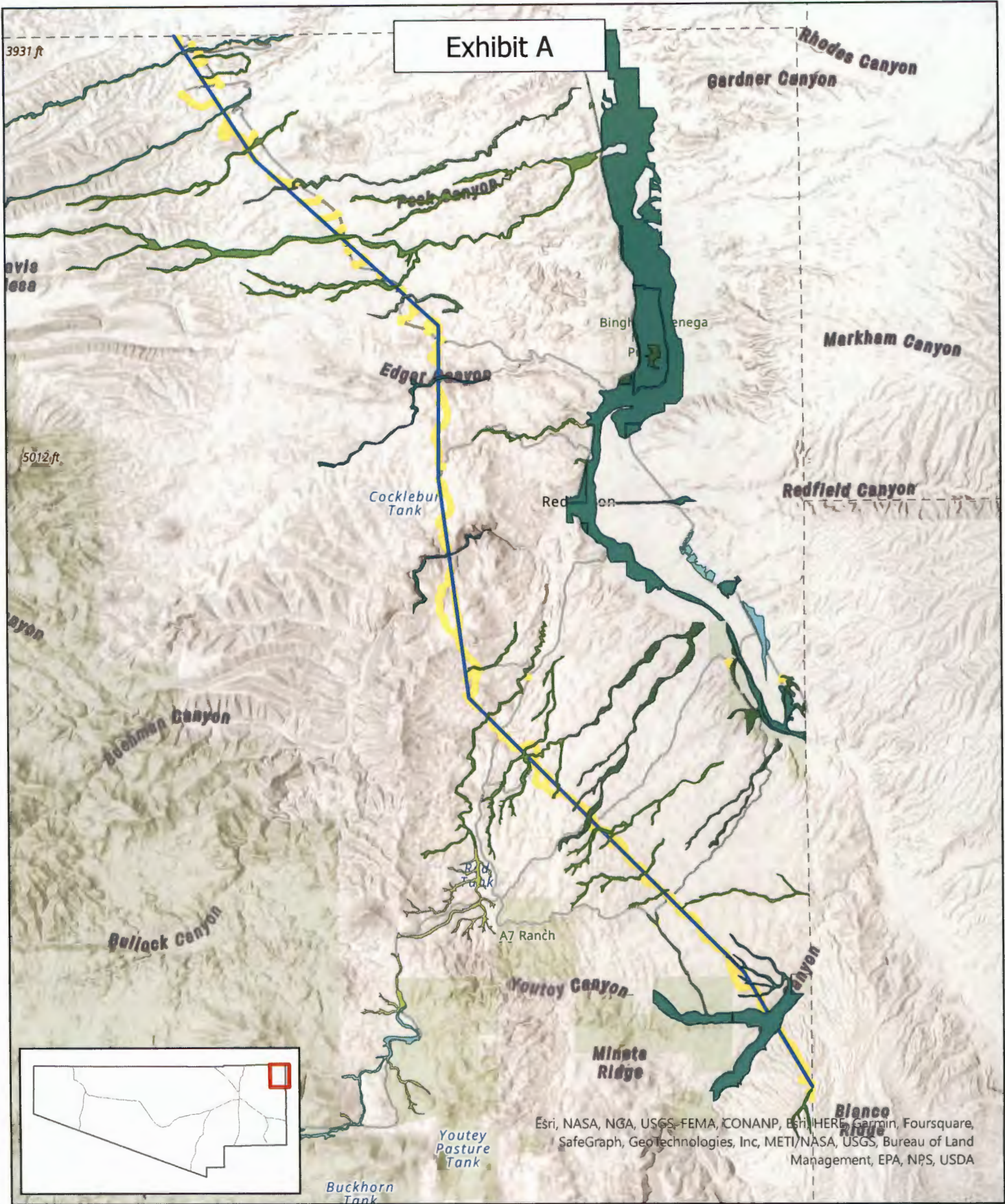
The applicant, Jill Bunnell an Environmental Scientist with the engineering firm Canacre, has applied for a Floodplain Use Permit to construct approximately a 20-mile transmission line located near the northeast boundary of the county (Exhibit A). The project area is impacted by mapped Regulated Riparian Habitat (RRH). The impacted RRH is classified as Important Riparian Area with an Underlying Classification of Hydromesoriparian, Xeroriparian Class C and D Habitat (Exhibit B). The disturbances to the RRH are from the access road (3.26 acres) and construction work areas (0.90 acres). The project area is undisturbed state land and there is not a water source for mitigation plantings, as a result, Ms. Bunnell has prepared a Riparian Habitat Mitigation In-Lieu Fee Proposal (Exhibit C) and is proposing to contribute a fee of \$110,656 in lieu of onsite mitigation, based on the Flat Fee Table provided in the *Pima County Regulated Riparian Habitat Off-Site Mitigation Guidelines*.

Recommendation

Acceptance of mitigation banking funds in-lieu of onsite mitigation is allowed under the Ordinance. Contributions to the mitigation bank for disturbance of this habitat will provide funds to be used toward purchase of high value resources or towards restoration of degraded riparian habitat within Pima County

Attachments: Exhibit A – Project Location
Exhibit B – Project Site – Riparian Classification Map
Exhibit C – Mitigation Banking In-lieu Fee Proposal

Exhibit A



Esri, NASA, NGA, USGS-FEMA, CONANP, Esri, HERE, Garmin, Foursquare, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, USDA



SunZia Transmission Line

Date: 9/15/2023

Impacted Riparian Areas, Effective 10/20/2005

- Class
- Xeroriparian A
 - Xeroriparian B1-4



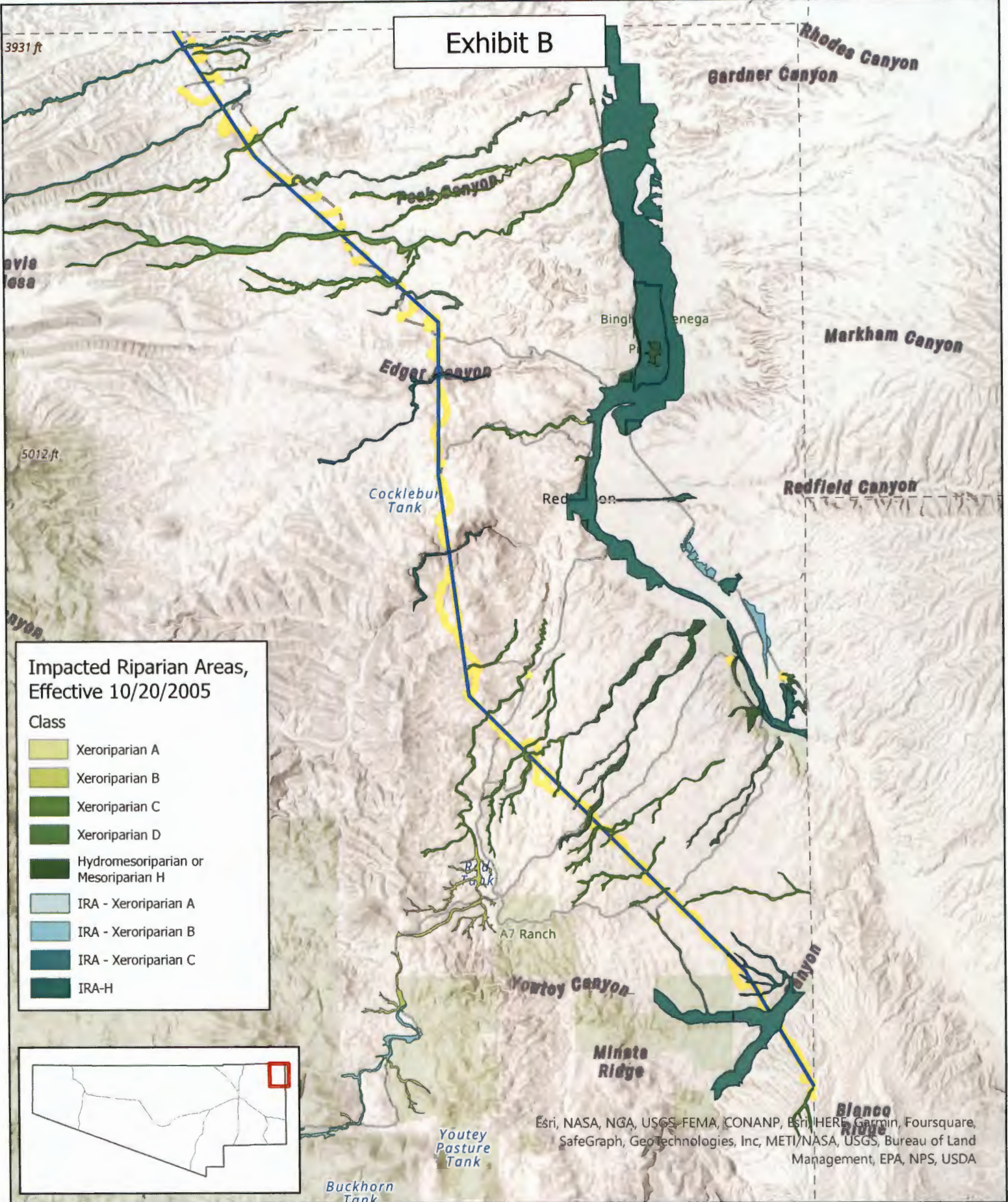
- Xero
- Xero
- Hydr
- TRA



The information depicted on this display is the result of digital analyses performed on a variety of databases provided and maintained by several governmental agencies. The accuracy of the information presented is limited to the collective accuracy of these databases on the date of the analysis. The Pima County Regional Flood Control District makes no claims regarding the accuracy of the information depicted herein.

This product is subject to the GIS Division Disclaimer and Use Restrictions.

Exhibit B



Impacted Riparian Areas, Effective 10/20/2005

- Class**
- Xeroriparian A
 - Xeroriparian B
 - Xeroriparian C
 - Xeroriparian D
 - Hydromesoriparian or Mesoriparian H
 - IRA - Xeroriparian A
 - IRA - Xeroriparian B
 - IRA - Xeroriparian C
 - IRA-H



Esri, NASA, NGA, USGS-FEMA, CONANP, Esri, HERE, Garmin, Foursquare, SafeGraph, Geotechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, USDA



SunZia Transmission Line

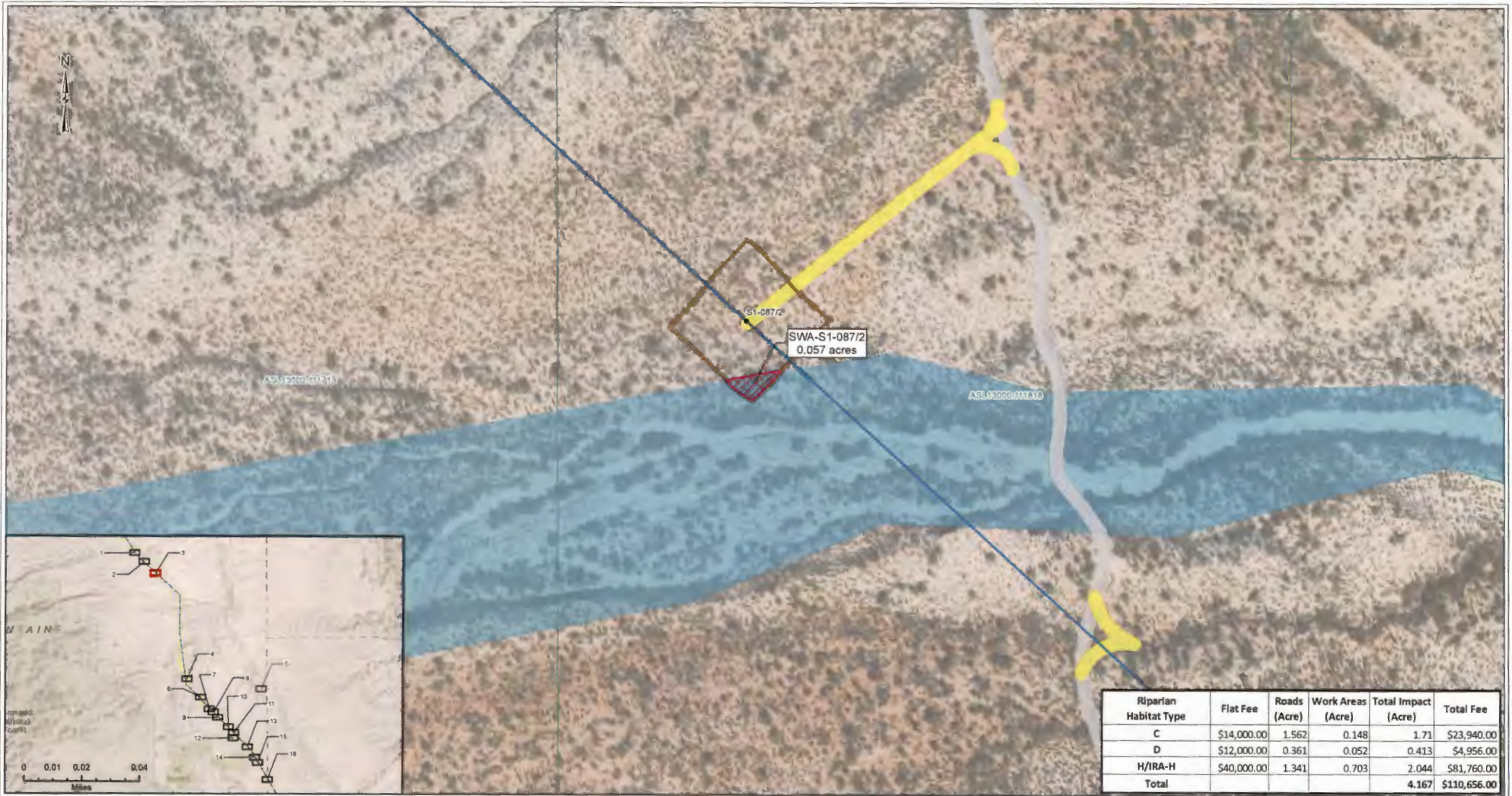
Date: 9/15/2023

- Segment 1
- New Access Roads
- Existing Access Roads



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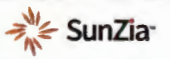
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Riparian Habitat Type	Flat Fee	Roads (Acre)	Work Areas (Acre)	Total Impact (Acre)	Total Fee
C	\$14,000.00	1.562	0.148	1.71	\$23,940.00
D	\$12,000.00	0.361	0.052	0.413	\$4,956.00
H/IRA-H	\$40,000.00	1.341	0.703	2.044	\$81,760.00
Total				4.167	\$110,656.00



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Work Areas and Access Roads in Riparian Areas
Pattern Energy
SunZia Transmission Project



- Structure
- ▭ Proposed Work Area
- ▭ Existing Road
- ▭ New Access Road
- ▭ Parcels
- ▨ Riparian Areas Intersected by Work Areas/New Access Road
- Proposed Transmission Lines
- Segment 1
- ▭ Riparian Class C

Mapkey Source: Sentinel Layer Credits: Sources: Esri, HERE, Garmin, Intermap, Invermap P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Sw OpenStreetMap contributors, and the GIS User Community
Source: Esri, Mapbox, DeLorme, Geoposition, and the GIS User Community

Scale - 1:2,000
0 150 300 Feet
County: Pima County, AZ
Date: September 2023
Segments: 1
Coordinate System: NAD 1983 BLM Zone 12N
Projection: Transverse Mercator
Datum: North American 1983
Units: Foot US



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H/IRA-H	\$40,000.00	1.341	0.703	2.044	\$81,760.00
Total				4.167	\$110,656.00



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Work Areas and Access Roads in Riparian Areas
Pattern Energy
SunZia Transmission Project



- Existing Road
- New Access Road
- Parcel
- Riparian Areas Intersect by Work Areas/New Access Road

- Riparian Class H
- Riparian Class IRA-H

Imagery Source: Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, InCREMENT P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GEBCO, IGN, Kartchner Hill, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

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Scale - 1:2,000
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County: Pima County, AZ
Date: September 2023
Segments: 1
Coordinate System: NAD 1983 BLM Zone 12N
Projection: Transverse Mercator
Datum: North American 1983
Units: Foot US





Riparian Habitat Type	Flat Fee	Roads (Acre)	Work Areas (Acre)	Total Impact (Acre)	Total Fee
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D	\$12,000.00	0.361	0.052	0.413	\$4,956.00
H/IRA-H	\$40,000.00	1.341	0.703	2.044	\$81,760.00
Total				4.167	\$110,656.00



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Work Areas and Access Roads in Riparian Areas
Pattern Energy
SunZia Transmission Project



- Structure
- Proposed Work Area
- New Access Road
- Parcels
- Riparian Areas Intersected by Work Areas/New Access Road

Proposed Transmission Lines

— Segment 1

Riparian Class

■ B

■ C

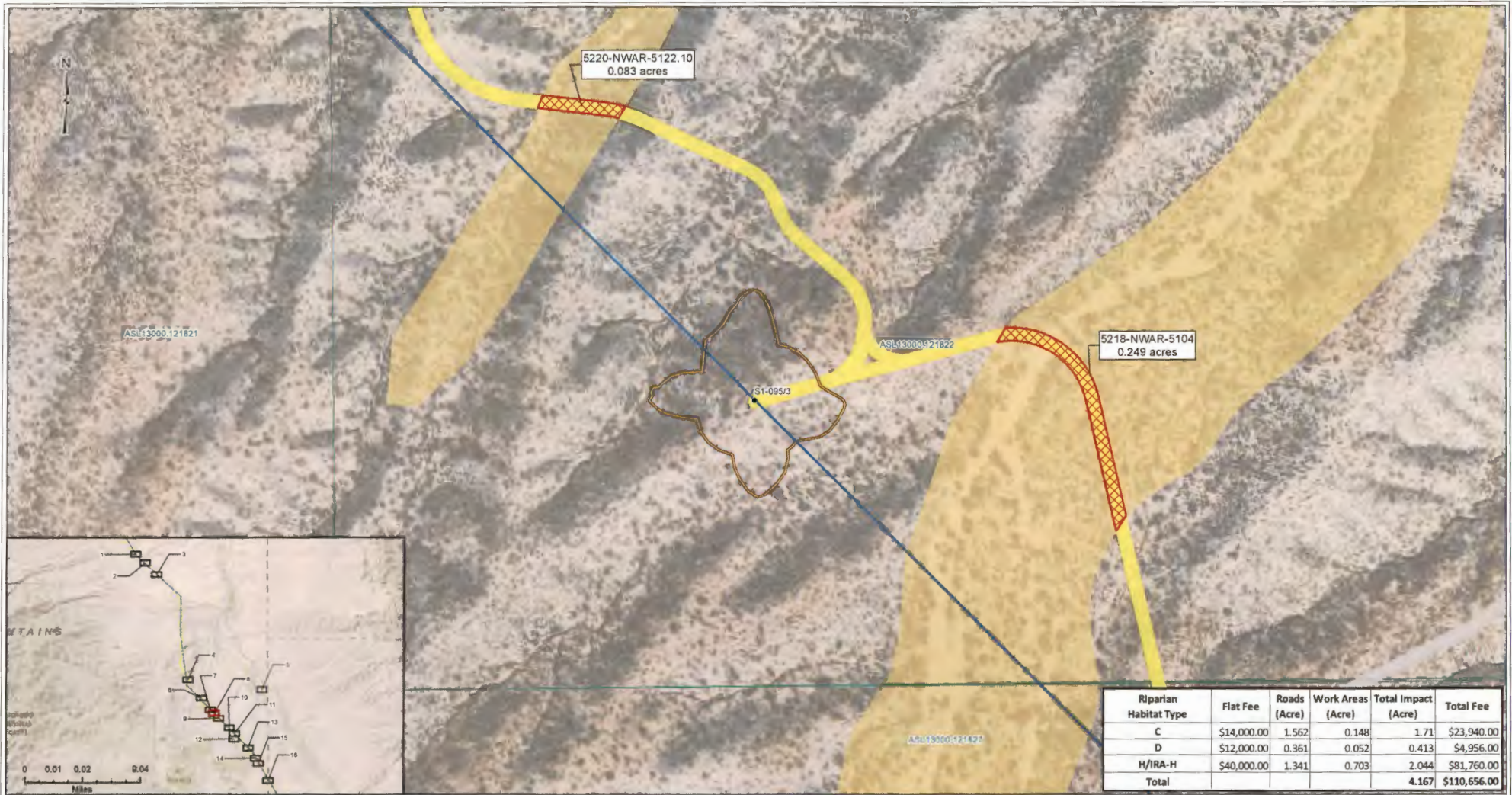
■ H

Scale - 1:2,000
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Feet
County: Pima County, AZ
Date: September 2023
Segments: 1
Coordinate System: NAD 1983 BLM Zone 12N
Projection: Transverse Mercator
Datum: North American 1983
Units: Foot US

Imagery Source: Satellite Layer Credits: Sources: Esri, HERE, Garmin, Intermap, Inverness P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Swisstopo, Mapbox, and the GIS User Community
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Riparian Habitat Type	Flat Fee	Roads (Acre)	Work Areas (Acre)	Total Impact (Acre)	Total Fee
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Total				4.167	\$110,656.00



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Work Areas and Access Roads in Riparian Areas

Pattern Energy
SunZia Transmission Project



- Structure
- ▭ Proposed Work Area
- ▭ Existing Road
- ▭ New Access Road
- ▭ Parcels
- ▭ Riparian Areas intersected by Work Areas/New Access Road
- ▭ Proposed Transmission Lines
- ▭ Segment 1
- ▭ Riparian Class
- ▭ H

Scale - 1:2,000

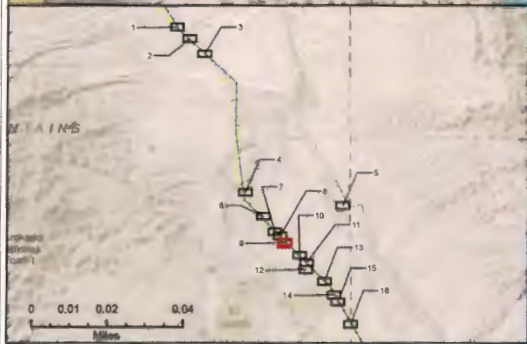
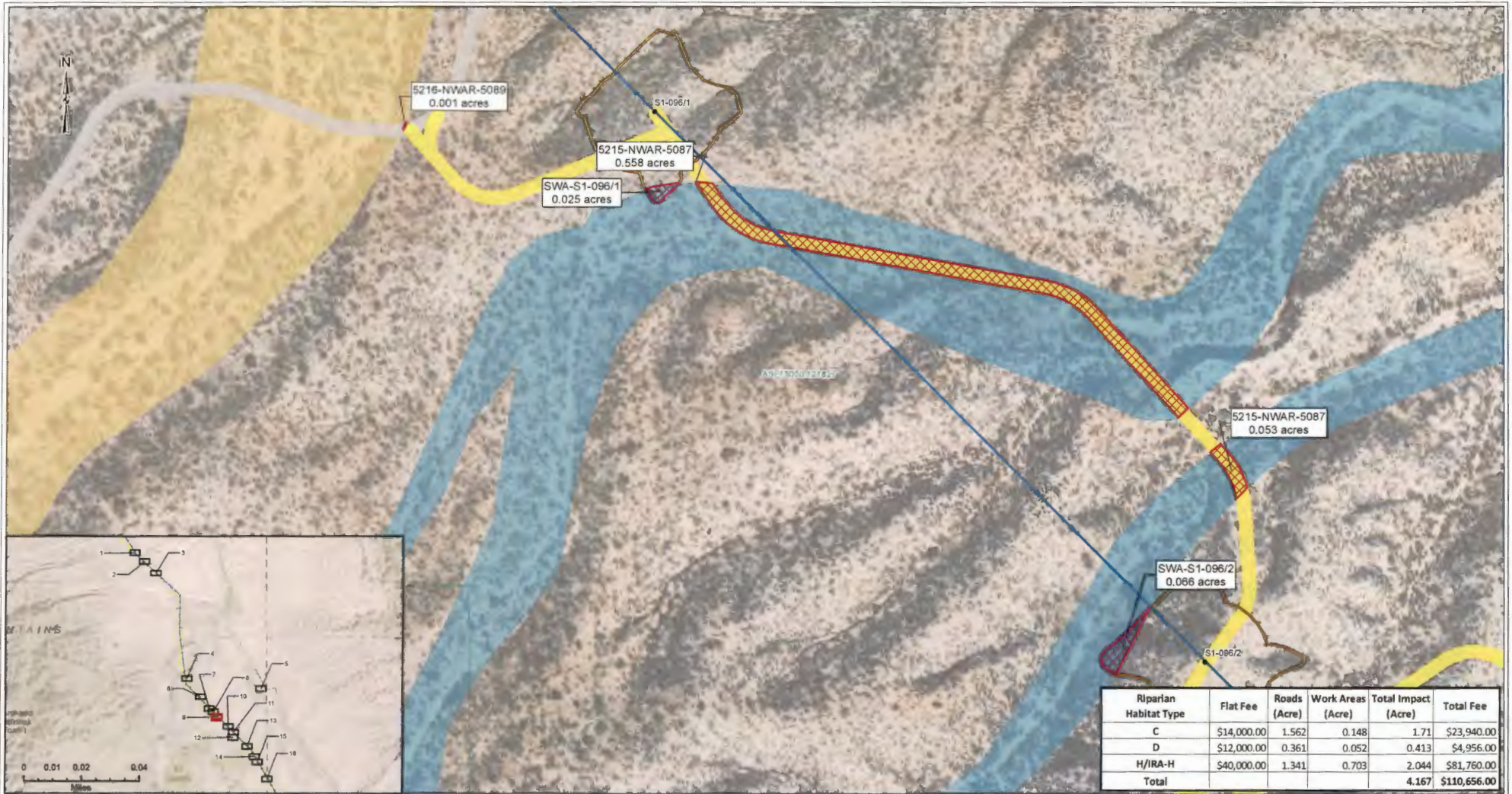
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County: Pima County, AZ
Date: September 2023
Segments: 1
Coordinate System: NAD 1983 BLM Zone 12N
Projection: Transverse Mercator
Datum: North American 1983
Units: Foot US

Imagery Source: Service Layer Credits. Sources: Esri, HERE, Garmin, Intermap, iNavion P Corp., GEBCO, USGS, FAO, NPS, NRCAM, GEBCO, IGN, Kartchner NL, Ontario Survey, Esri Japan, METI, Esri China (Hong Kong), Sw OpenStreetMap contributors, and the GIS User Community
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Work Areas and Access Roads in Riparian Areas

Pattern Energy
SunZia Transmission Project

● Structure
 ■ Proposed Work Area
 ■ Existing Road
 ■ New Access Road
 □ Parcels

■ Riparian Areas Intersected by Work Areas/New Access Road
 — Proposed Transmission Lines
 — Segment 1
 ■ Riparian Class
 ■ C

■ H

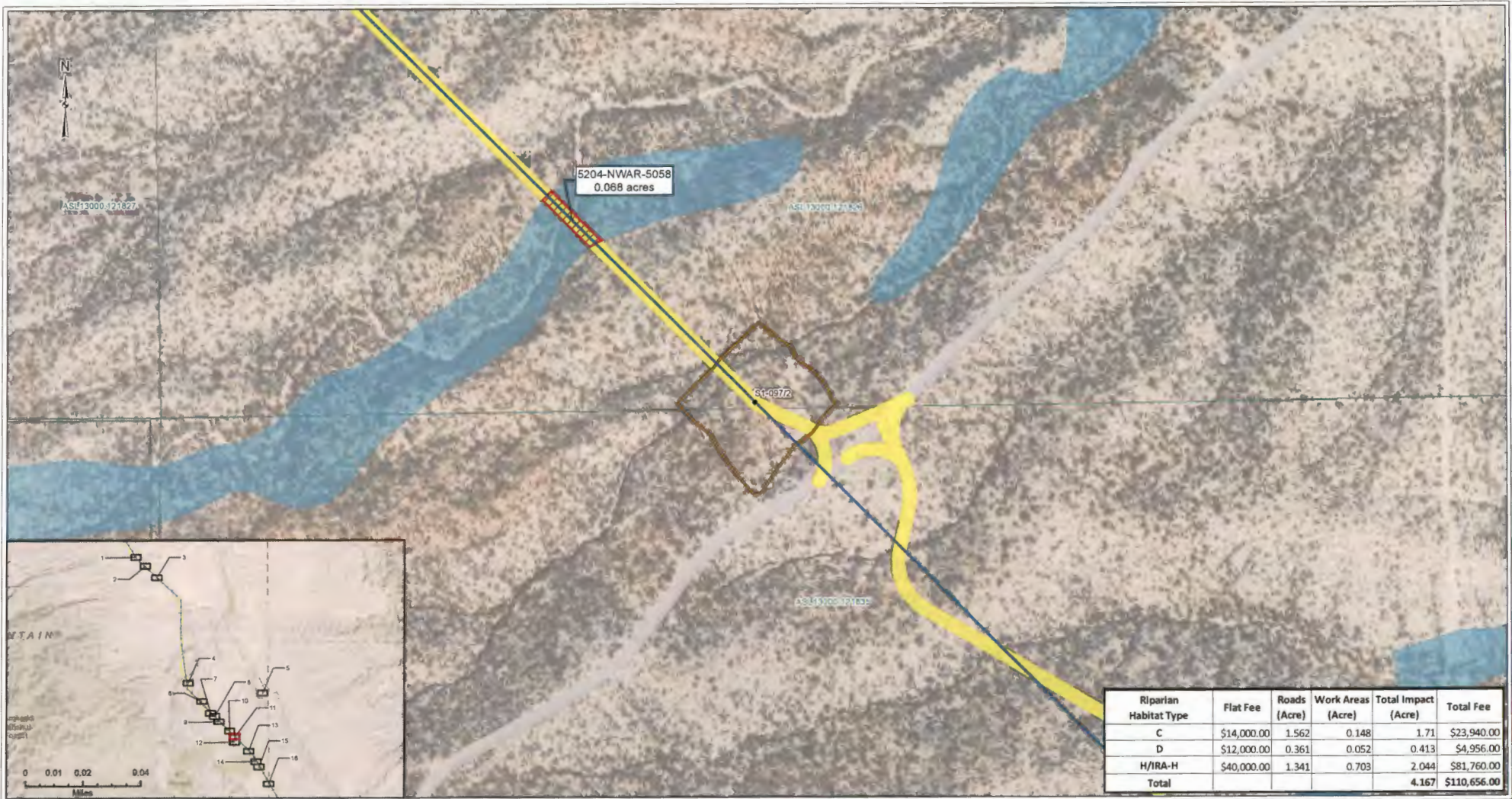
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 Basemap: Esri, Mapbox, Earthstar Geographics, and the GIS User Community

Scale - 1:2,000

0 150 300 Feet

County: Pima County, AZ
 Date: September 2023
 Segments: 1
 Coordinate System: NAD 1983 BLM Zone 12N
 Projection: Transverse Mercator
 Datum: North American 1983
 Units: Feet US

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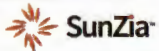
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Total				4.167	\$110,656.00



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Work Areas and Access Roads in Riparian Areas

Pattern Energy
SunZia Transmission Project



- Structure
- ▭ Proposed Work Area
- ▭ Existing Road
- ▭ New Access Road
- ▭ Parcel
- ▨ Riparian Areas Intersected by Work Area/New Access Road
- Proposed Transmission Lines
- Segment 1
- ▭ Riparian Class
- ▭ C

Imagery Source: Service Layer Credits; Sources: Esri, HERE, Garmin, Intermap, Inverness F Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoEye, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Swisstopo, and the GIS User Community
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Scale - 1:2,000

0 150 300 Feet

County: Pima County, AZ
Date: September 2023
Segments: 1
Coordinate System: NAD 1983 BLM Zone 12N
Projection: Transverse Mercator
Datum: North American 1983
Units: Foot US





Riparian Habitat Type	Flat Fee	Roads (Acre)	Work Areas (Acre)	Total Impact (Acre)	Total Fee
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Total				4.167	\$110,656.00



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Work Areas and Access Roads in Riparian Areas

Pattern Energy
SunZia Transmission Project



● Structure	▣ Riparian Area Intersected by Work Areas/New Access Road	■ D
▣ Proposed Work Area	— Proposed Transmission Lines	
▣ Existing Road	— Segment 1	
▣ New Access Road	▣ Riparian Class	
▣ Parcels	▣ C	

Scale - 1:2,000

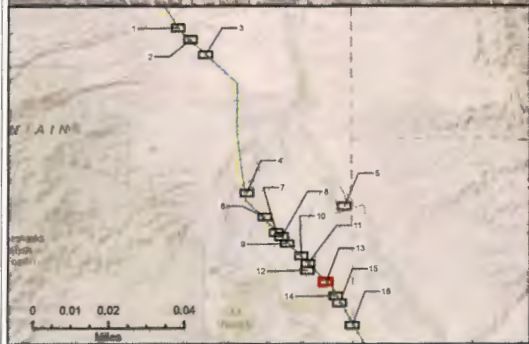
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Feet

County: Pima County, AZ
Date: September 2023
Segments: 1
Coordinate System: NAD 1983 BLM Zone 12N
Projection: Transverse Mercator
Datum: North American 1983
Units: Foot US

Imagery Source: Services Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBCN, IGN, Kartus, NL, Candorance Survey, Swi Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

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Total				4.167	\$110,656.00



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(S1-098/2)

Work Areas and Access Roads in Riparian Areas

Pattern Energy
SunZia Transmission Project

Structure
 Proposed Work Area
 New Access Road
 Parcel
 Riparian Areas Intersect by Work Areas/New Access Road

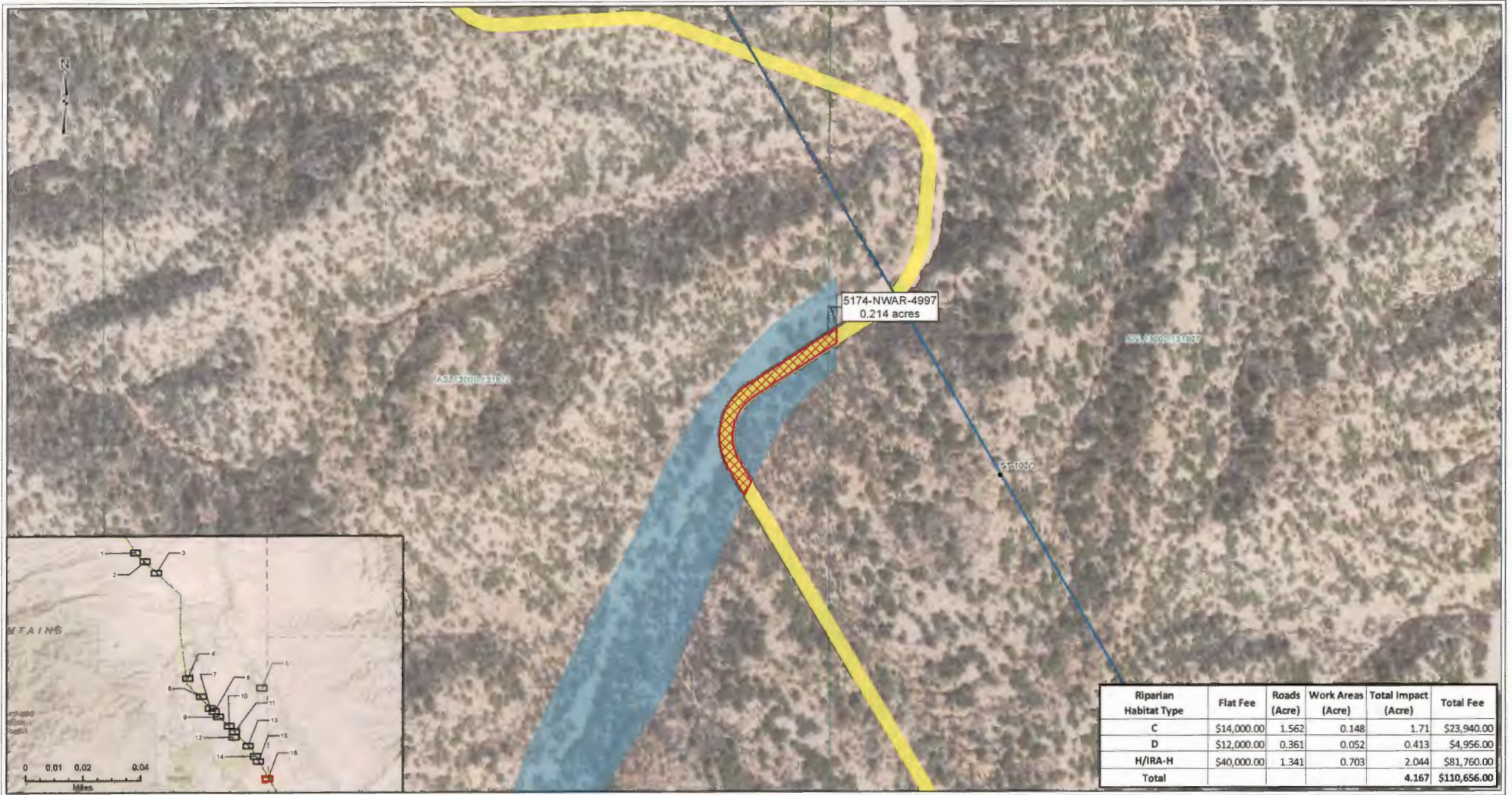
Proposed Transmission Lines Segment 1
 Riparian Class RA-H

Imagery Source: Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, Inverness P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GEBCO, IGN, Kartchner ML, OpenStreetMap contributors, and the GIS User Community
 Sources: Esri, Mass, Earthstar Geographics, and the GIS User Community

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Scale - 1:2,000

County: Pima County, AZ
 Date: September 2023
 Segments: 1
 Coordinate System: NAD 1983 BLM Zone 12N
 Projection: Transverse Mercator
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 Units: Foot US



Riparian Habitat Type	Flat Fee	Roads (Acre)	Work Areas (Acre)	Total Impact (Acre)	Total Fee
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Total				4.167	\$110,656.00



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(S1-100/3)

Work Areas and Access Roads in Riparian Areas

Pattem Energy
SunZia Transmission Project

• Structure
 ■ New Access Road
 □ Parcels
 ▤ Riparian Areas Intersected by Work Areas/New Access Road

Proposed Transmission Lines
 — Segment 1
 Riparian Class
 C

Imagery Source: Sentinel Layer Credits: Sources: Esri, HERE, Garmin, Intermap, Inramat P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBCN, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Swisstopo, Mapbox contributors, and the GIS User Community
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Scale - 1:2,000

0 150 300 Feet

County: Pima County, AZ
 Date: September 2023
 Segments: 1
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 Datum: North American 1983
 Units: Foot US