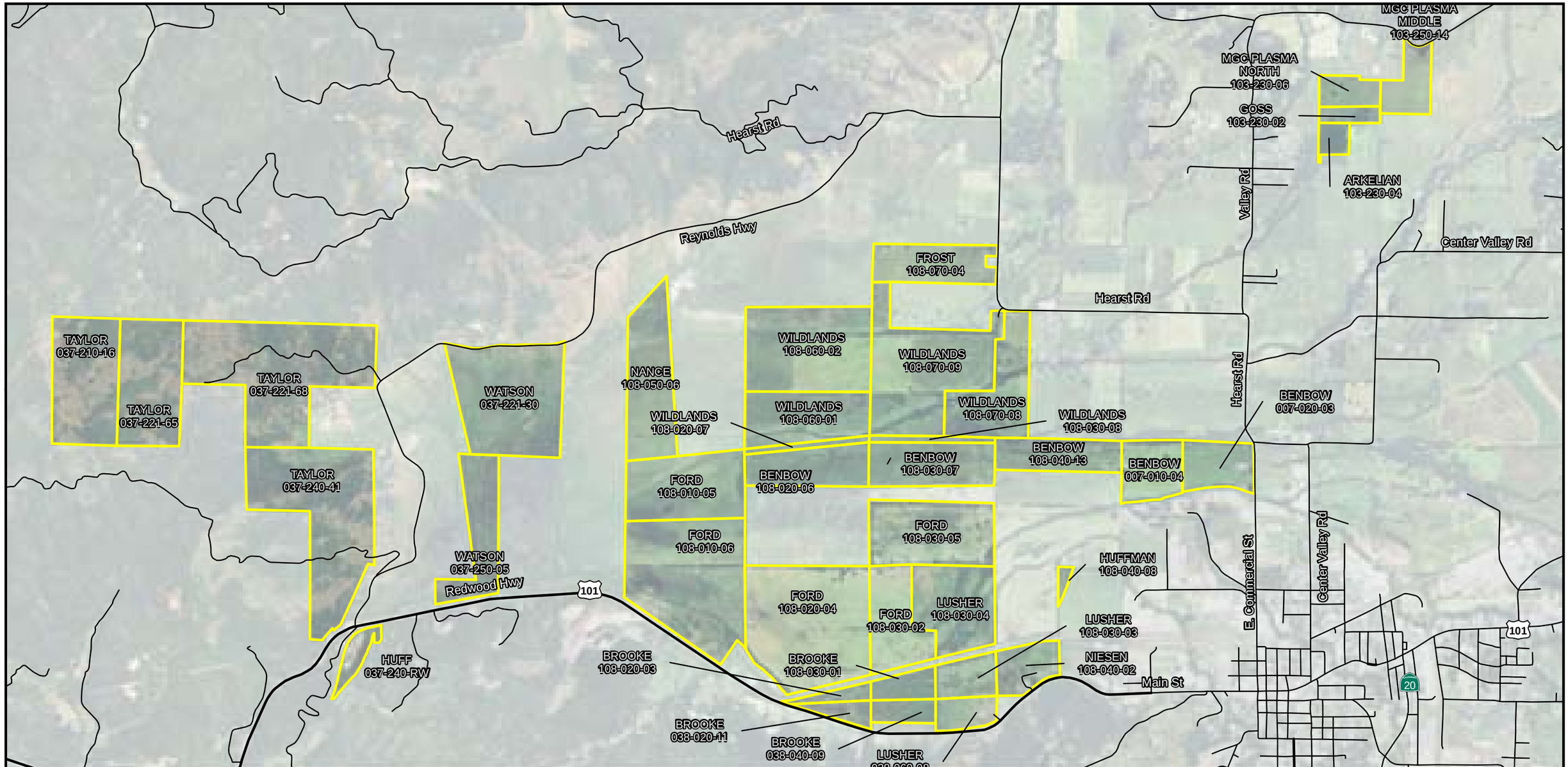


PARCEL	APN	Wetland Sheet	Mitigation Sheet		PARCEL	APN	Wetland Sheet	Mitigation Sheet
Arkelian	APN 103-230-04	C-1	C-2		Huff	APN 037-240-RW	C-29	-
Benbow	APN 108-020-06	C-3	C-4		Huffman	APN 108-040-08	-	C-30
Benbow	APN 108-030-07	C-5	C-6		Lusher	APN 108-030-04	C-33	C-34
Benbow	APN 108-040-13	C-7	C-8		Lusher	APNs 108-030-03 & 038-060-08	C-31	C-32
Benbow	APNs 007-010-04 & 007-020-03	C-9	C-10		MGC Plasma-North & Middle	APNs 103-230-06 & 103-250-14	C-35	C-36
Brooke	APNs 108-020-03 & 038-020-11	C-11	C-12		Nance	APN 108-050-06	C-37	C-38
Brooke	APNs 108-030-01 & 038-040-09	C-13	C-14		Niesen	APN 108-040-02	C-39	C-40
Ford	APN 108-010-05	C-21	C-22		Taylor	APN 037-221-68	-	-
Ford	APN 108-010-06	C-15	C-16		Taylor	APN 037-240-41	-	-
Ford	APN 108-020-04	C-17	C-18		Taylor	APNs 037-210-16 & 037-221-65	-	-
Ford	APN 108-030-02	C-19	C-20		Watson	APN 037-221-30	C-43	C-44
Ford	APN 108-030-05	C-23	C-24		Watson	APN 037-250-05	C-41	C-42
Frost	APN 108-070-04	C-25	C-26		Wildlands	APN 108-060-02	C-47	C-48
Goss	APN 103-230-02	C-27	C-28		Wildlands	APNs 108-030-08, 108-070-08,& 108-070-09	C-49	C-50
					Wildlands	APNs 108-060-01 & 108-020-07	C-45	C-46

0 0.5 1 Miles

Data Sources
Aerials - ArcGIS Online (NAIP 2005)
Parcels - Caltrans (10/5/2009)

N

Appendix C

Willits Bypass
Sensitive Biological Resources on Mitigation Parcels and Mitigation Actions Proposed

Legend

Offsite Mitigation Parcel

Project Bypass Footprint

Permanent Impact Area

Temporary Impact Area

Existing Jurisdictional Wetlands

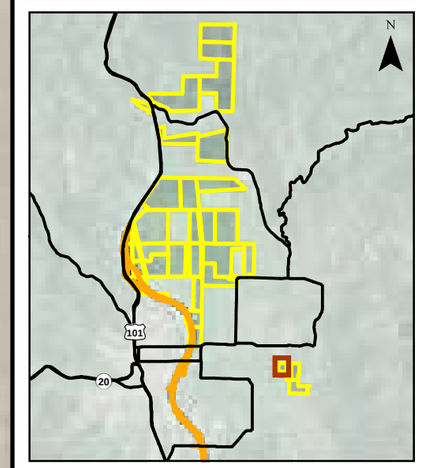
Mixed Marsh

Other Waters

Riparian Wetland

Swale

Wet Meadow



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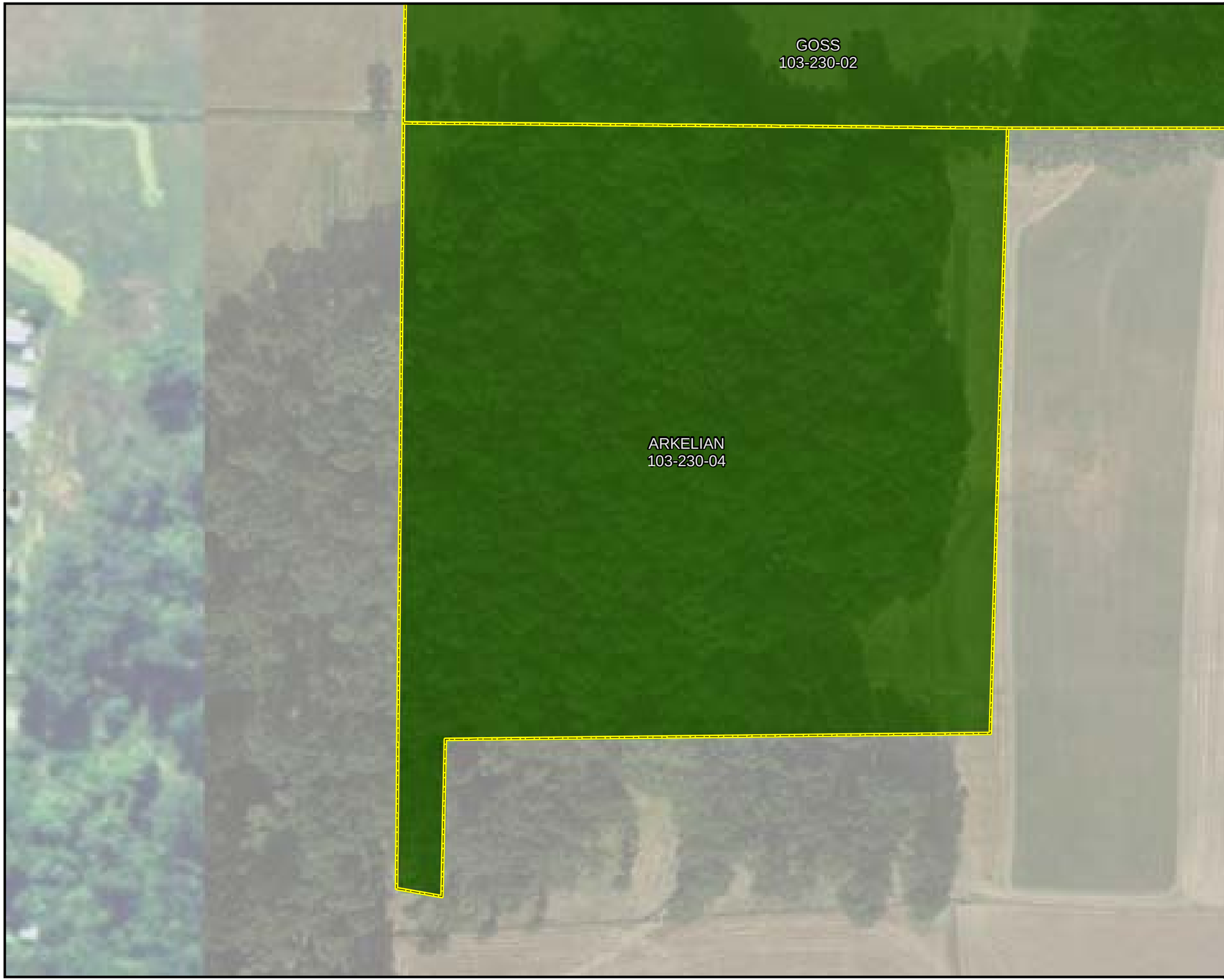
Scale in Feet

Sheet C-1
Jurisdictional Wetlands
Arkelian
APN 103-230-04

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels



Project Bypass Footprint
- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels
- Offsite Mitigation Parcel

Wetland Establishment
- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation
- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

Other Waters Rehabilitation
- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed
- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

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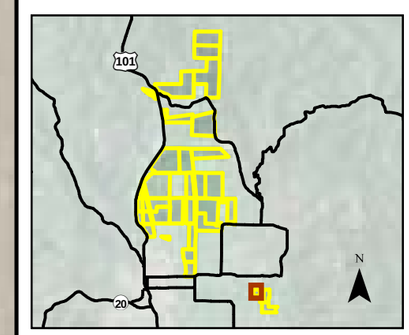

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Scale in Feet

Sheet C-2
Mitigation Actions
Arkelian
APN 103-230-04

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement

Legend

Offsite Mitigation Parcel

Project Bypass Footprint

Permanent Impact Area

Temporary Impact Area

Existing Jurisdictional Wetlands

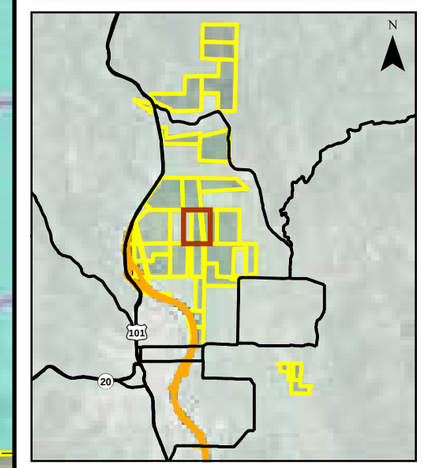
Mixed Marsh

Other Waters

Riparian Wetland

Swale

Wet Meadow



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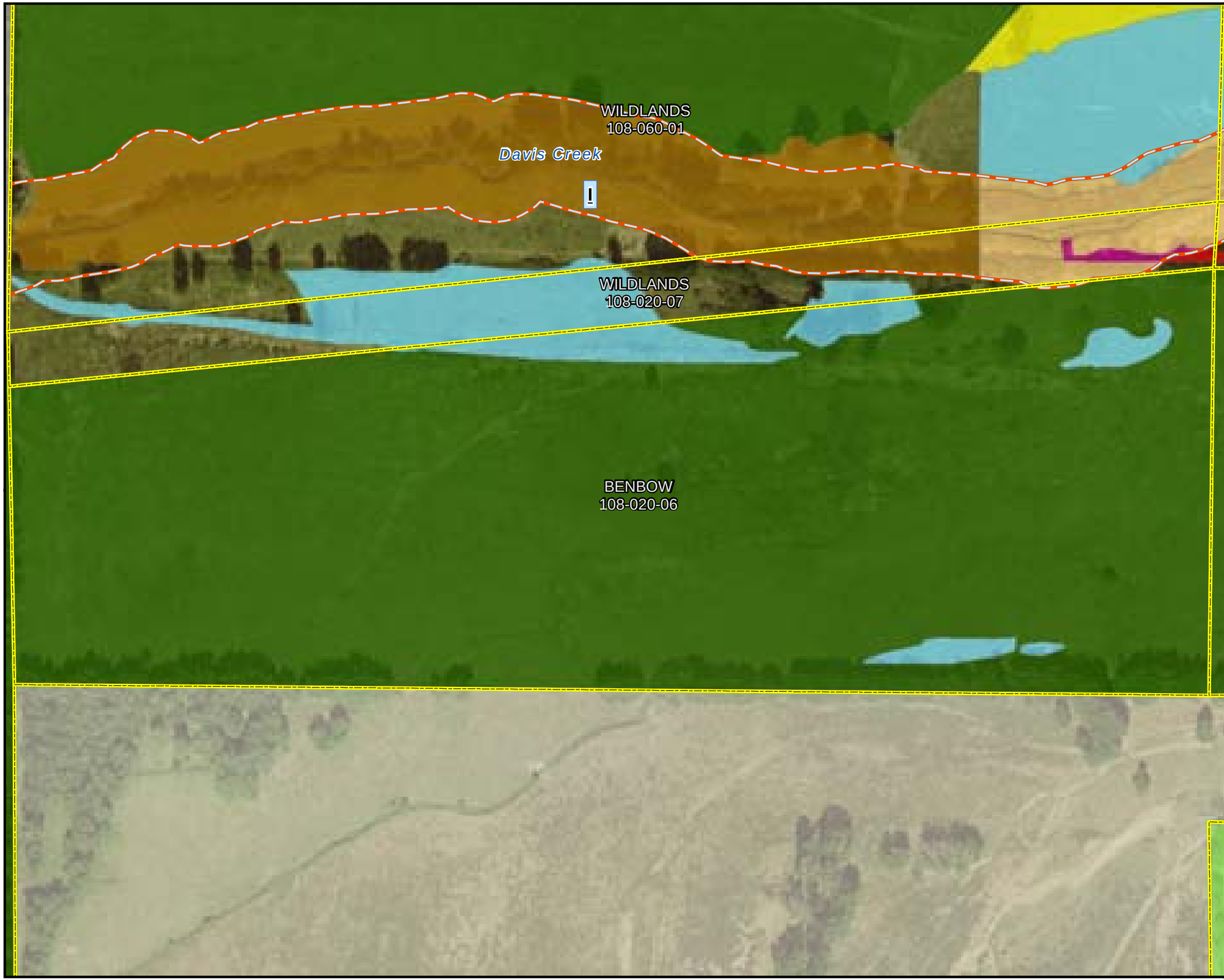
Scale in Feet

Sheet C-3
Jurisdictional Wetlands
Benbow
APN 108-020-06

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels



Project Bypass Footprint
- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels
- Offsite Mitigation Parcel

Wetland Establishment
- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation
- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

Other Waters Rehabilitation
- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed
- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

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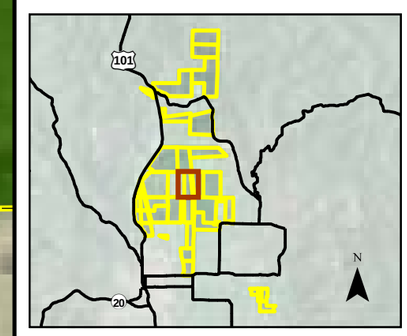

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Scale in Feet

Sheet C-4
Mitigation Actions
Benbow
APN 108-020-06

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement

Legend

Offsite Mitigation Parcel

Project Bypass Footprint

Permanent Impact Area

Temporary Impact Area

Existing Jurisdictional Wetlands

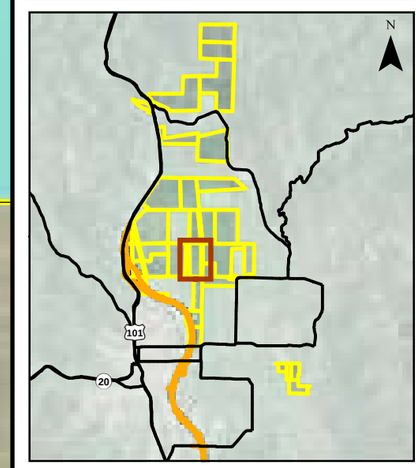
Mixed Marsh

Other Waters

Riparian Wetland

Swale

Wet Meadow



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Scale in Feet

Sheet C-5
Jurisdictional Wetlands
Benbow
APN 108-030-07

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels

Project Bypass Footprint

- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels

- Offsite Mitigation Parcel

Wetland Establishment

- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation

- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

Other Waters Rehabilitation

- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed

- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

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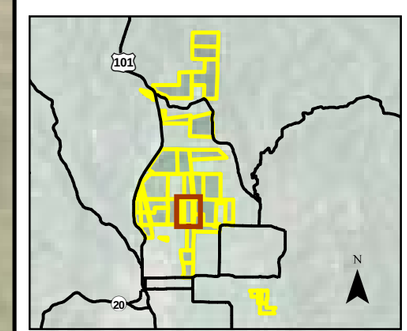

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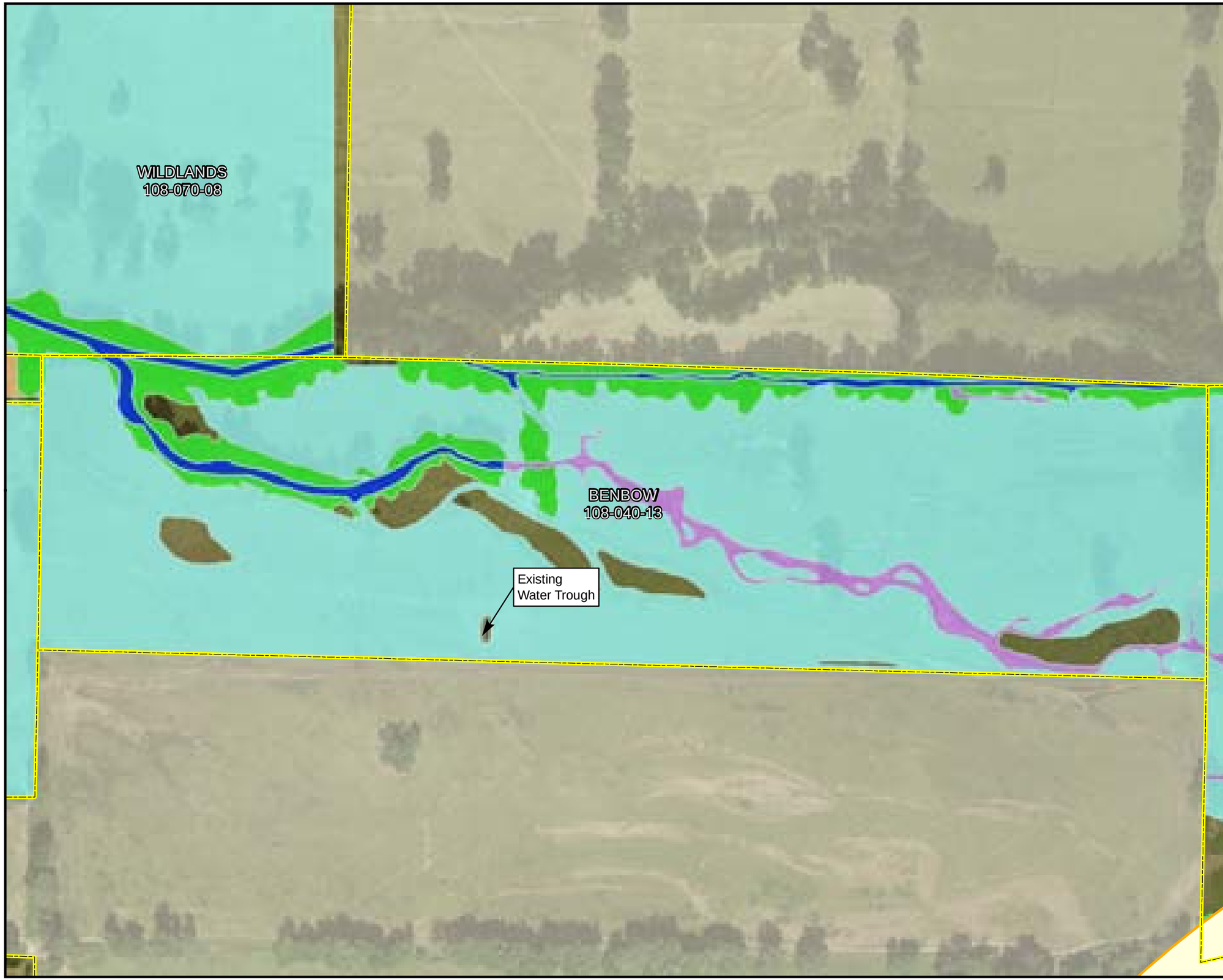
Scale in Feet

Sheet C-6
Mitigation Actions
Benbow
APN 108-030-07

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement



Legend

Offsite Mitigation Parcel

Project Bypass Footprint

Permanent Impact Area

Temporary Impact Area

Existing Jurisdictional Wetlands

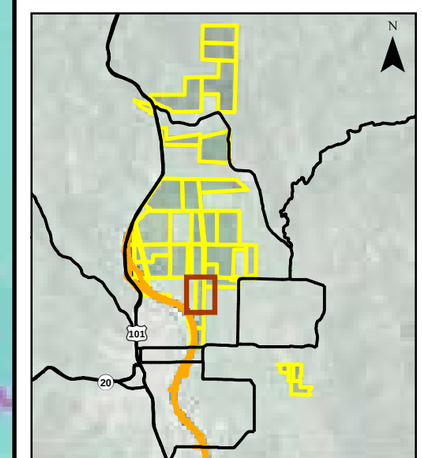
Mixed Marsh

Other Waters

Riparian Wetland

Swale

Wet Meadow



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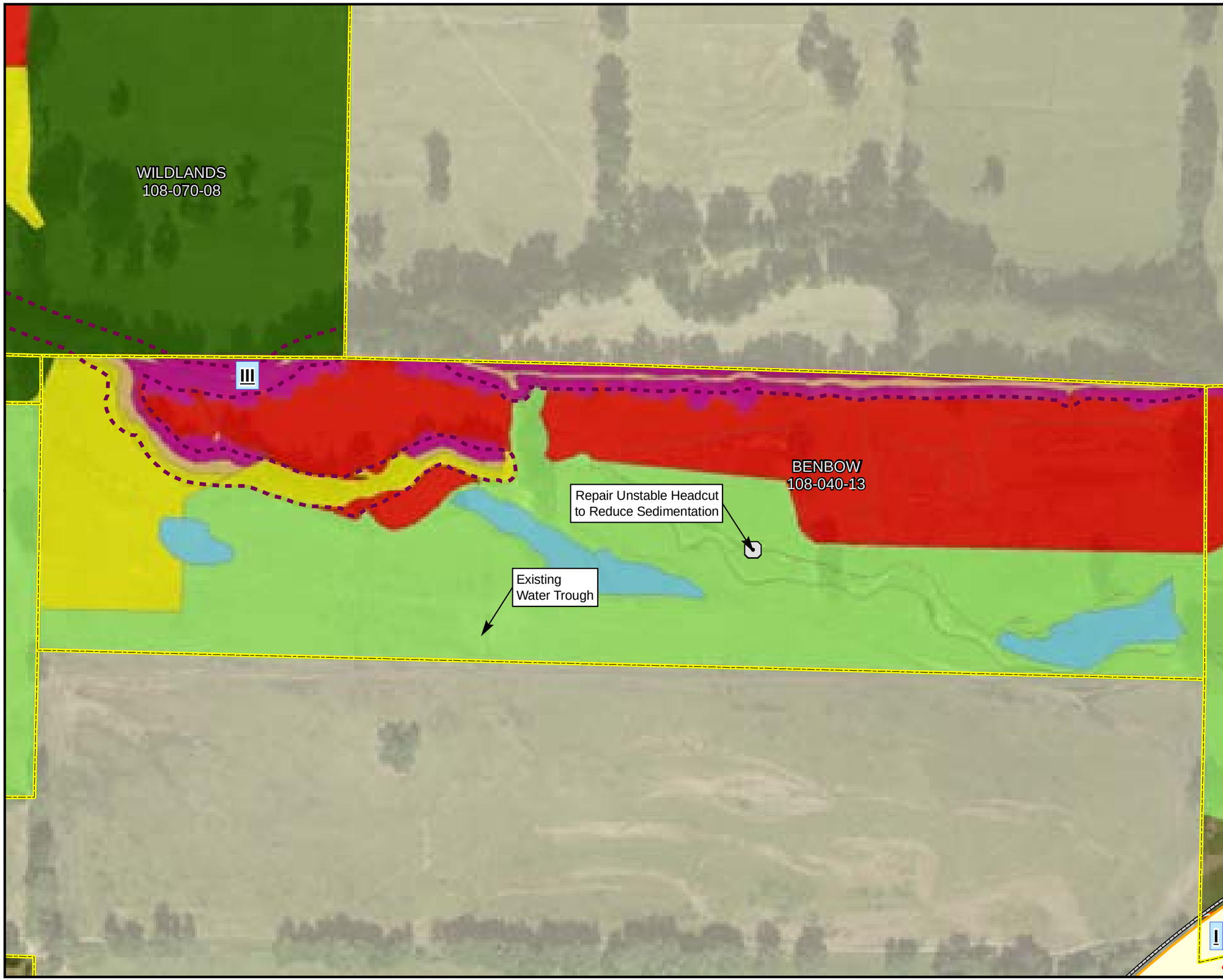
Scale in Feet

Sheet C-7
Jurisdictional Wetlands
Benbow
APN 108-040-13

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels



Project Bypass Footprint

- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels

- Offsite Mitigation Parcel

Wetland Establishment

- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation

- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

Other Waters Rehabilitation

- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed

- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

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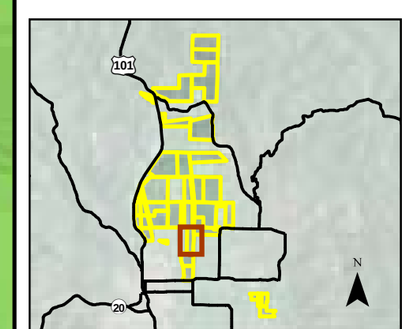

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Scale in Feet

Sheet C-8
Mitigation Actions
Benbow
APN 108-040-13

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement

Legend

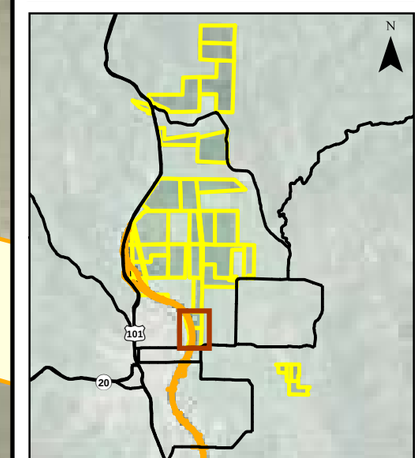
- Offsite Mitigation Parcel

Project Bypass Footprint

- Permanent Impact Area
- Temporary Impact Area

Existing Jurisdictional Wetlands

- Mixed Marsh
- Other Waters
- Riparian Wetland
- Swale
- Wet Meadow



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Scale in Feet

Sheet C-9
Jurisdictional Wetlands
Benbow
APNs 007-010-04 & 007-020-03

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels

Project Bypass Footprint
- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels
- Offsite Mitigation Parcel

Wetland Establishment
- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation
- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

Other Waters Rehabilitation
- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed
- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

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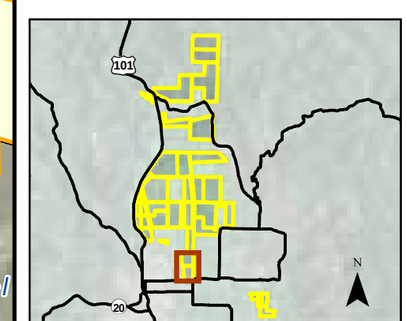

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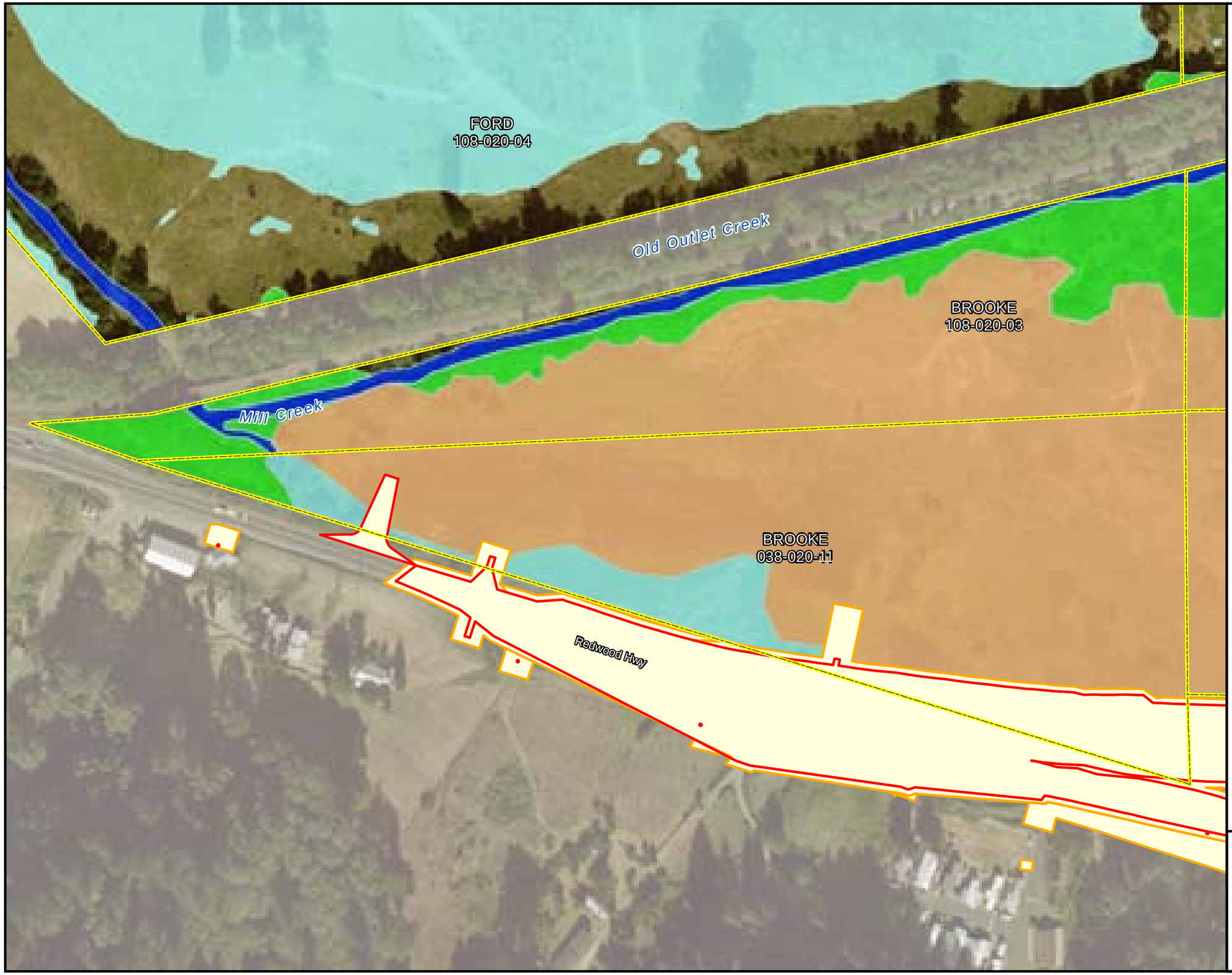
Scale in Feet

Sheet C-10
Mitigation Actions
Benbow
APNs 007-010-04 & 007-020-03

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement



Legend

Offsite Mitigation Parcel

Project Bypass Footprint

Permanent Impact Area

Temporary Impact Area

Existing Jurisdictional Wetlands

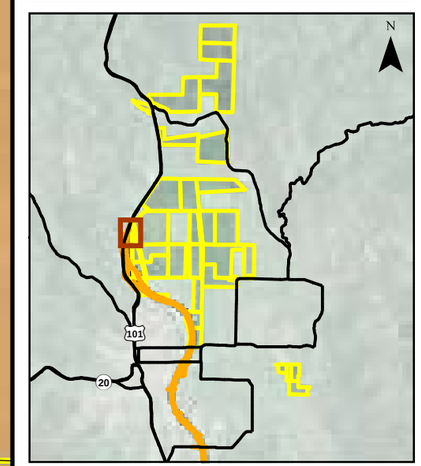
Mixed Marsh

Other Waters

Riparian Wetland

Swale

Wet Meadow



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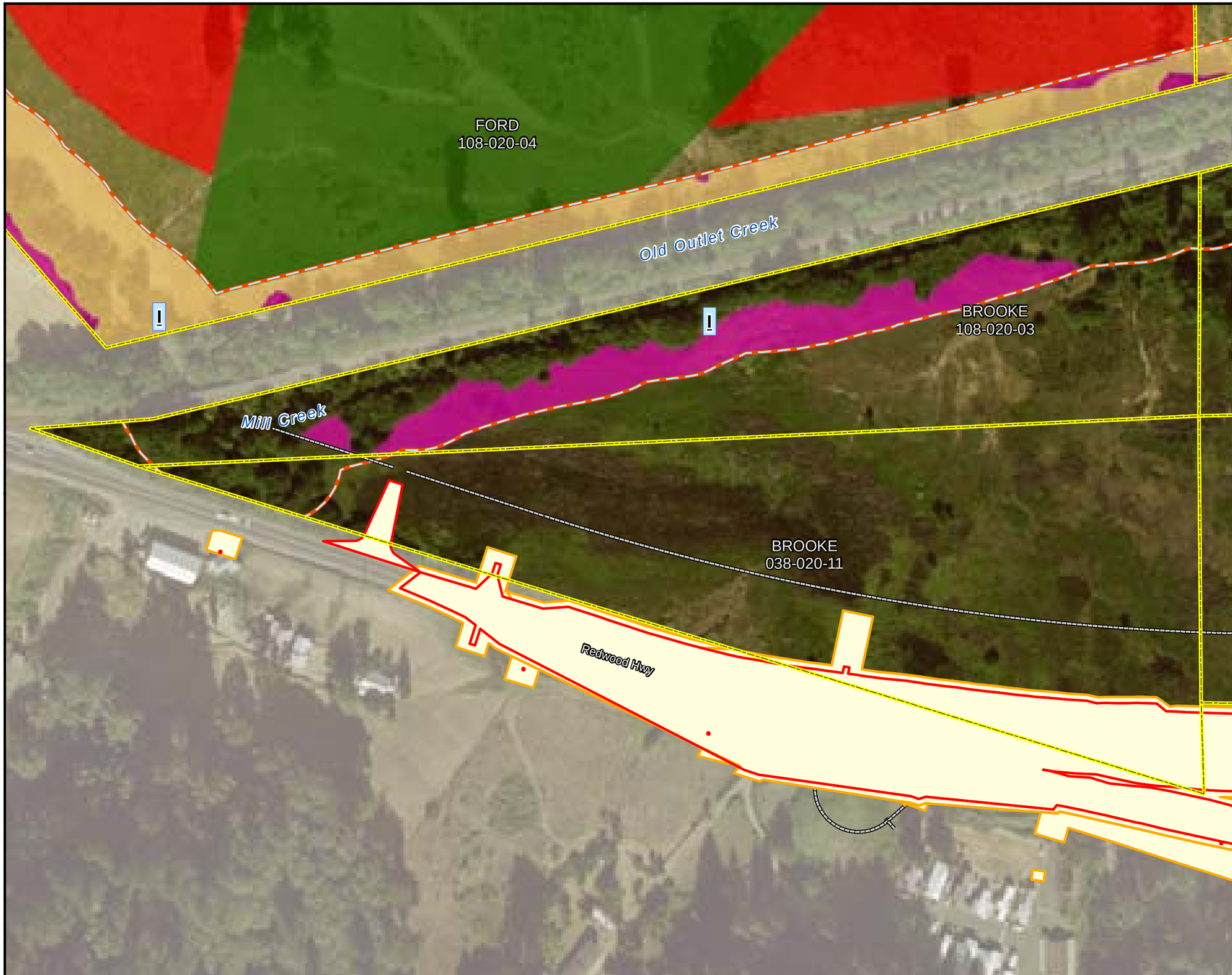
Scale in Feet

Sheet C-11
Jurisdictional Wetlands
Brooke
APNs 108-020-03 & 038-020-11

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels



Project Bypass Footprint
- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels
- Offsite Mitigation Parcel

Wetland Establishment
- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation
- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

Other Waters Rehabilitation
- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed
- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

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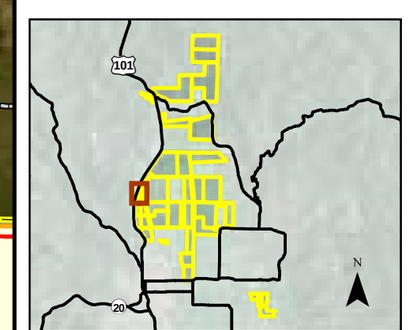

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Scale in Feet

Sheet C-12
Mitigation Actions
Brooke
APNs 108-020-03 & 038-020-11

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement

Legend

Offsite Mitigation Parcel

Project Bypass Footprint

Permanent Impact Area

Temporary Impact Area

Existing Jurisdictional Wetlands

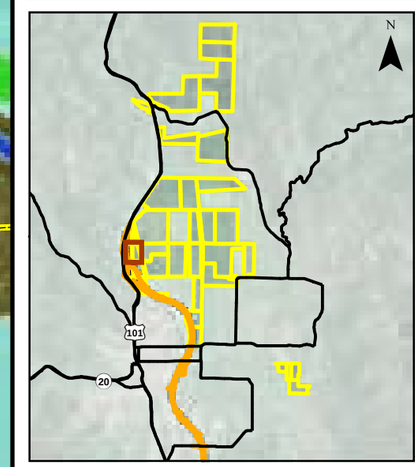
Mixed Marsh

Other Waters

Riparian Wetland

Swale

Wet Meadow



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Scale in Feet

Sheet C-13
Jurisdictional Wetlands
Brooke
APNs 108-030-01 & 038-040-09

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels

Project Bypass Footprint
- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels
- Offsite Mitigation Parcel

Wetland Establishment
- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation
- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

Other Waters Rehabilitation
- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed
- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

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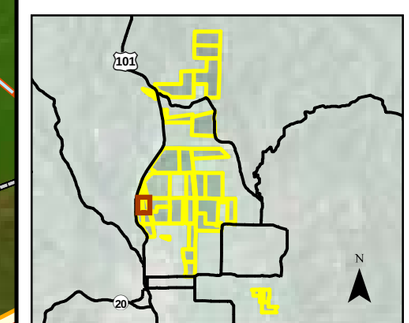

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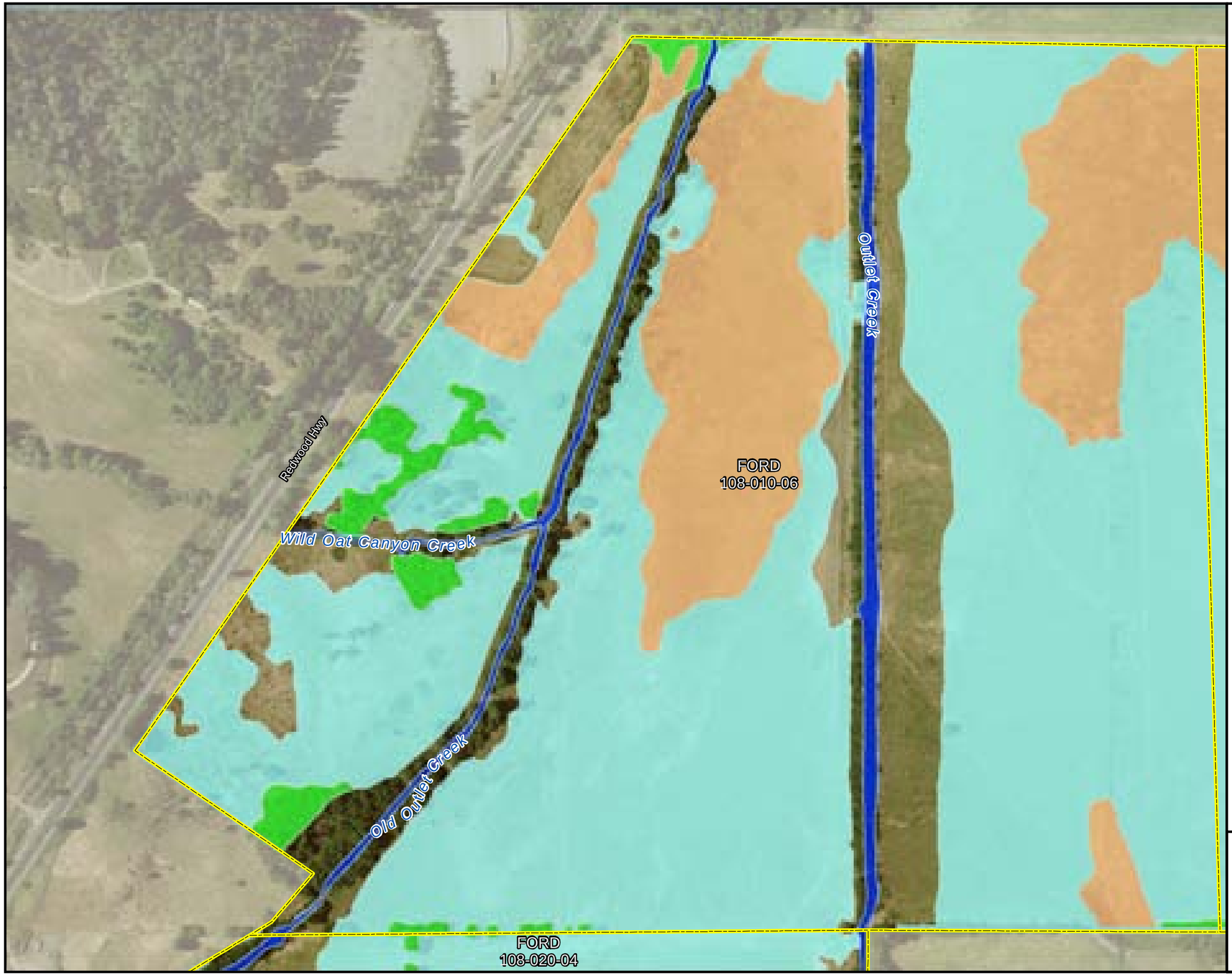
Scale in Feet

Sheet C-14
Mitigation Actions
Brooke
APNs 108-030-01 & 038-040-09

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement



Legend

Offsite Mitigation Parcel

Project Bypass Footprint

Permanent Impact Area

Temporary Impact Area

Existing Jurisdictional Wetlands

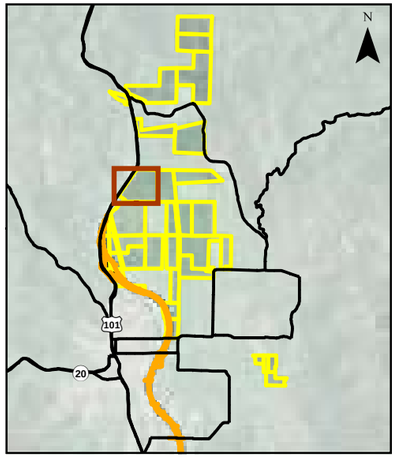
Mixed Marsh

Other Waters

Riparian Wetland

Swale

Wet Meadow



N

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Scale in Feet

Sheet C-15
Jurisdictional Wetlands
Ford
APN 108-010-06

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels

Project Bypass Footprint
- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels
- Offsite Mitigation Parcel

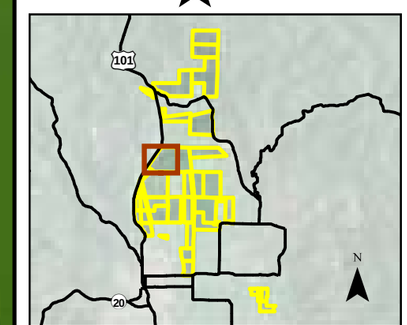
Wetland Establishment
- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation
- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

Other Waters Rehabilitation
- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed
- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

N



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Scale in Feet

Sheet C-16
Mitigation Actions
Ford
APN 108-010-06

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement

Legend

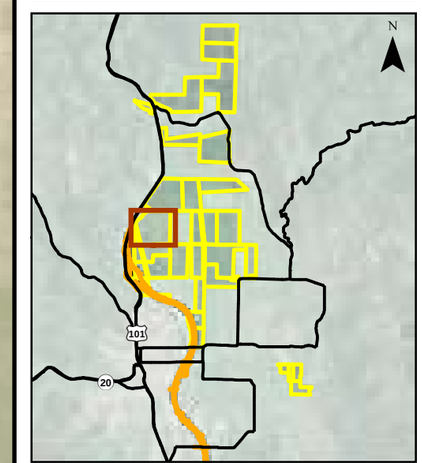
- Offsite Mitigation Parcel

Project Bypass Footprint

- Permanent Impact Area
- Temporary Impact Area

Existing Jurisdictional Wetlands

- Mixed Marsh
- Other Waters
- Riparian Wetland
- Swale
- Wet Meadow



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Scale in Feet

Sheet C-17
Jurisdictional Wetlands
Ford
APN 108-020-04

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels

Project Bypass Footprint
- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels
- Offsite Mitigation Parcel

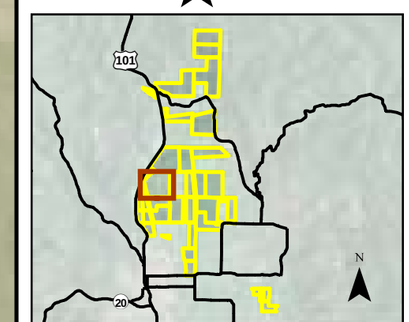
Wetland Establishment
- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation
- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

Other Waters Rehabilitation
- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed
- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

N



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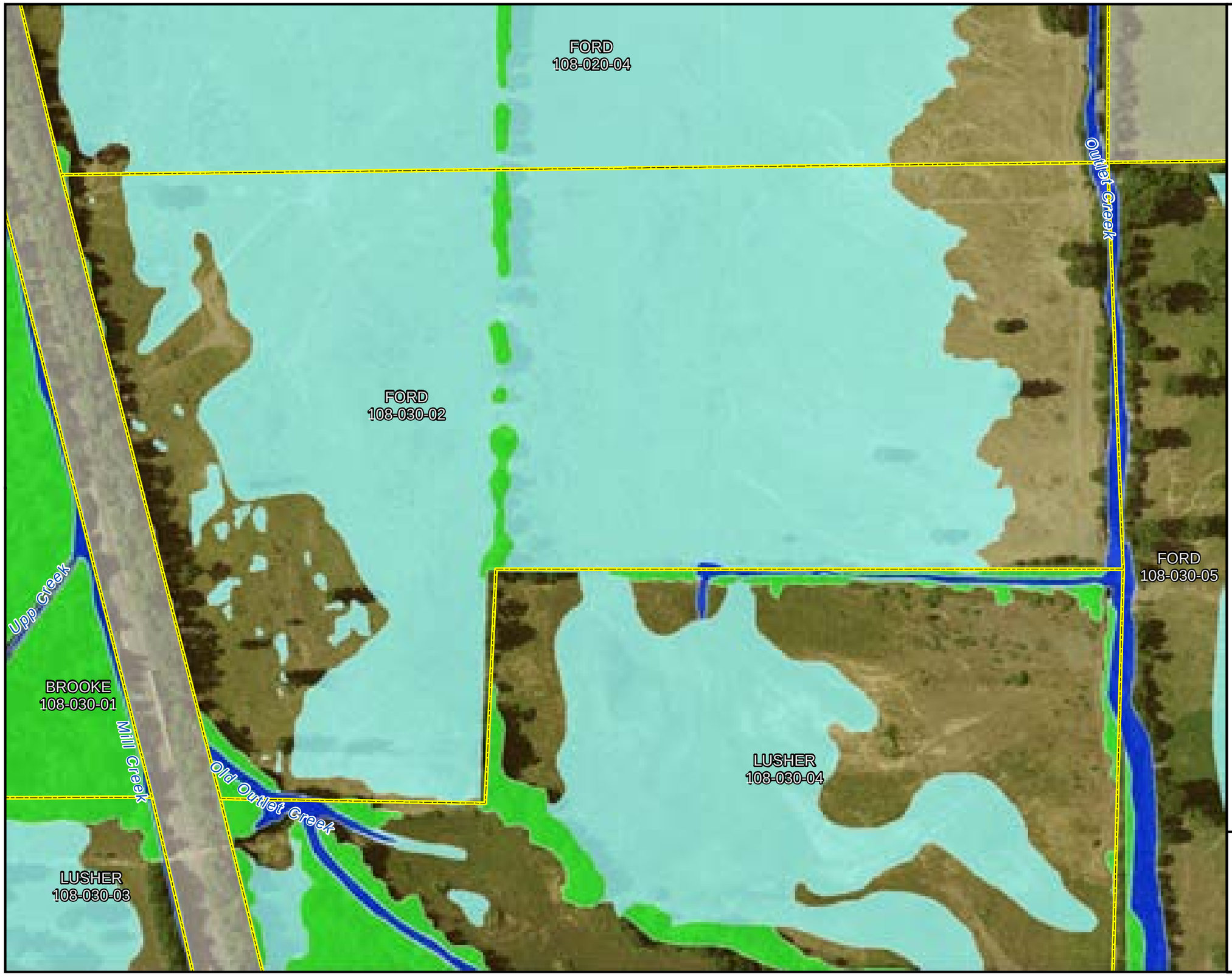
Scale in Feet

Sheet C-18
Mitigation Actions
Ford
APN 108-020-04

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement



Legend

Offsite Mitigation Parcel

Project Bypass Footprint

Permanent Impact Area

Temporary Impact Area

Existing Jurisdictional Wetlands

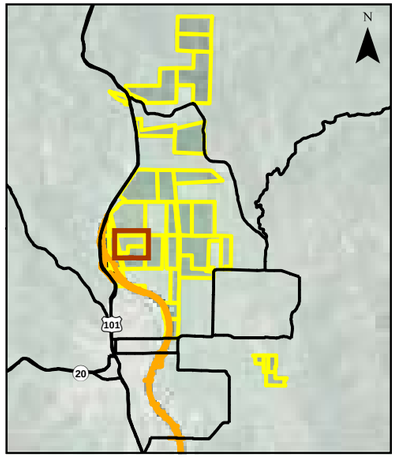
Mixed Marsh

Other Waters

Riparian Wetland

Swale

Wet Meadow



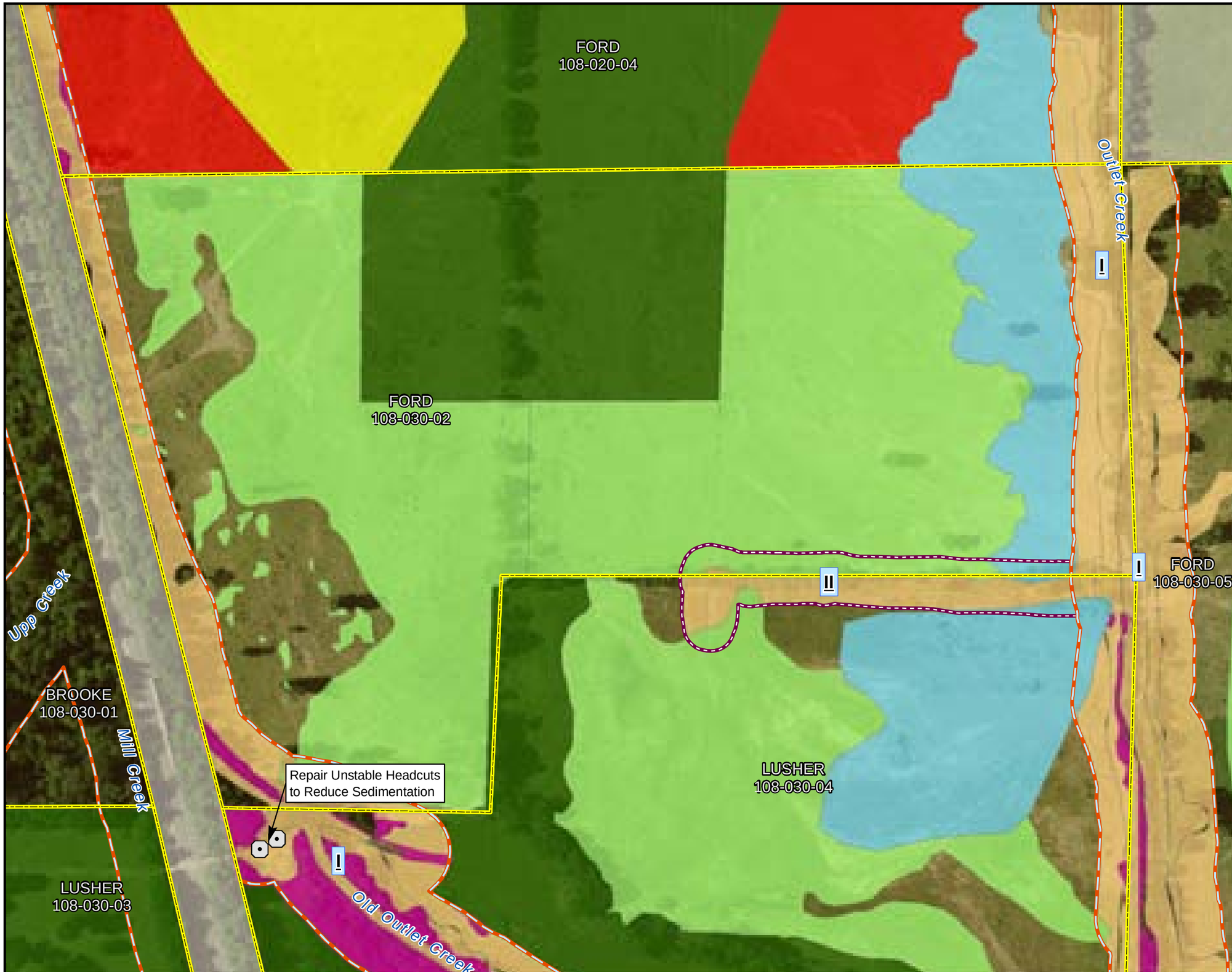
N

0 200

Scale in Feet

Sheet C-19
Jurisdictional Wetlands
Ford
APN 108-030-02

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels



Project Bypass Footprint
- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels
- Offsite Mitigation Parcel

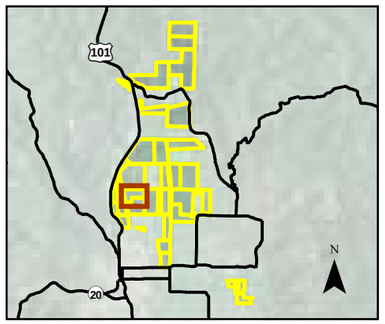
Wetland Establishment
- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation
- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

Other Waters Rehabilitation
- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed
- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

N



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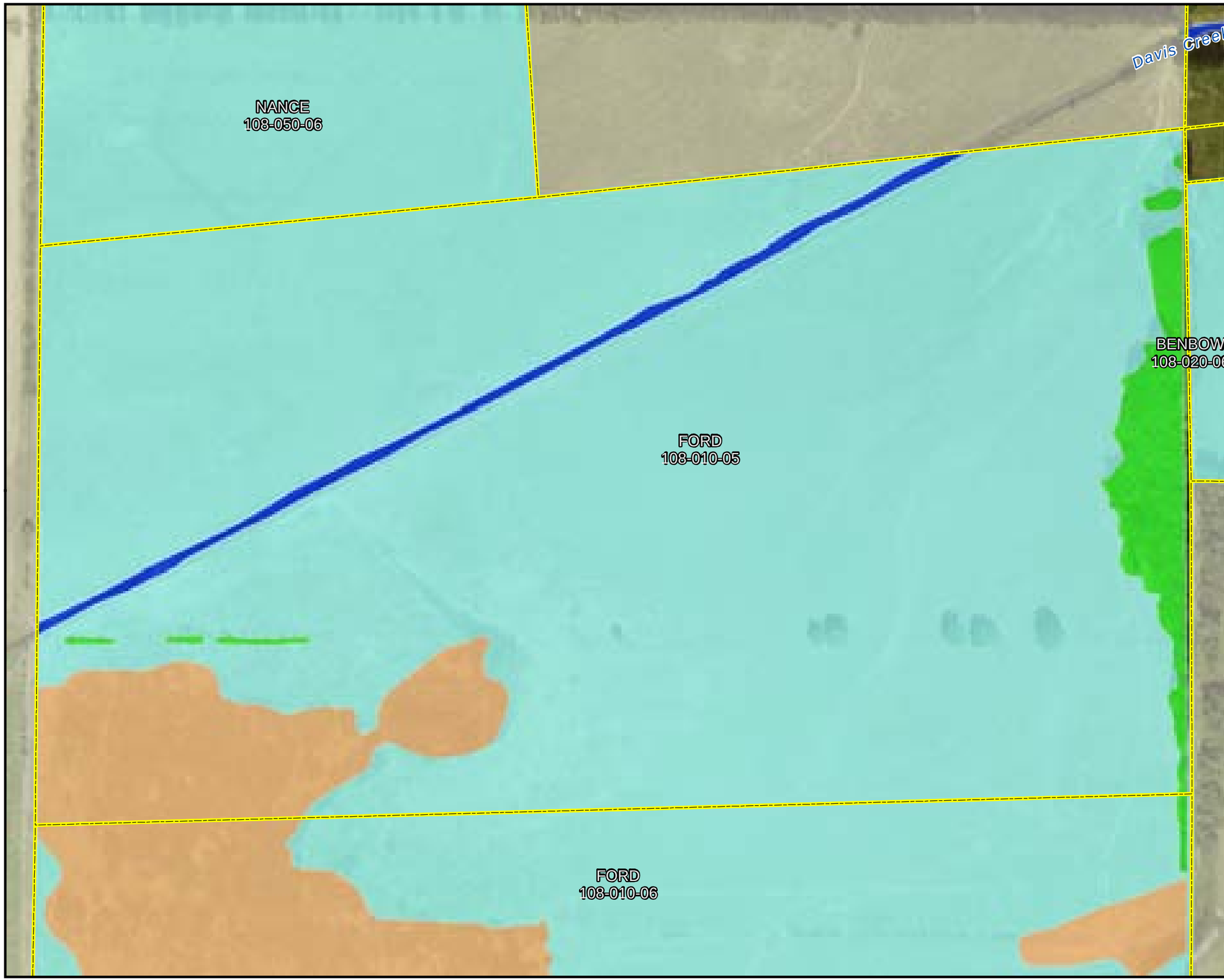
Scale in Feet

Sheet C-20
Mitigation Actions
Ford
APN 108-030-02

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement



Legend

Offsite Mitigation Parcel

Project Bypass Footprint

Permanent Impact Area

Temporary Impact Area

Existing Jurisdictional Wetlands

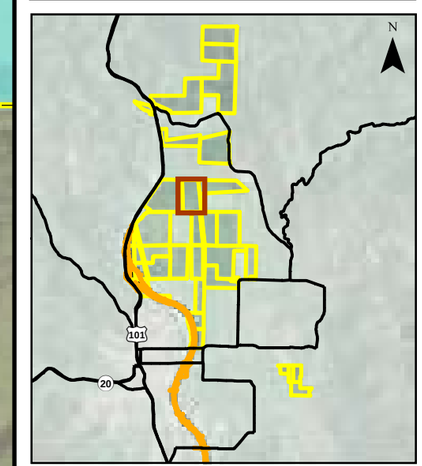
Mixed Marsh

Other Waters

Riparian Wetland

Swale

Wet Meadow



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Scale in Feet

Sheet C-21
Jurisdictional Wetlands
Ford
APN 108-010-05

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels

Project Bypass Footprint
- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels
- Offsite Mitigation Parcel

Wetland Establishment
- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation
- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

Other Waters Rehabilitation
- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed
- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

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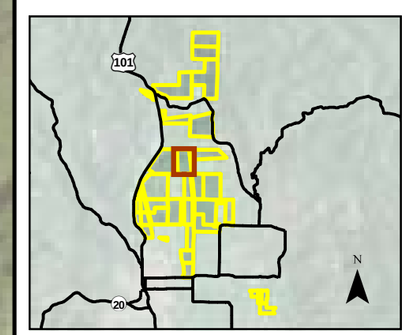

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Scale in Feet

Sheet C-22
Mitigation Actions
Ford
APN 108-010-05

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement

Legend

Offsite Mitigation Parcel

Project Bypass Footprint

Permanent Impact Area

Temporary Impact Area

Existing Jurisdictional Wetlands

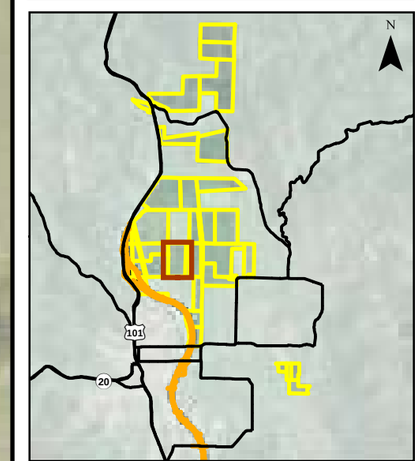
Mixed Marsh

Other Waters

Riparian Wetland

Swale

Wet Meadow



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Scale in Feet

Sheet C-23
Jurisdictional Wetlands
Ford
APN 108-030-05

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels

Project Bypass Footprint

- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels

- Offsite Mitigation Parcel

Wetland Establishment

- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation

- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

Other Waters Rehabilitation

- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed

- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

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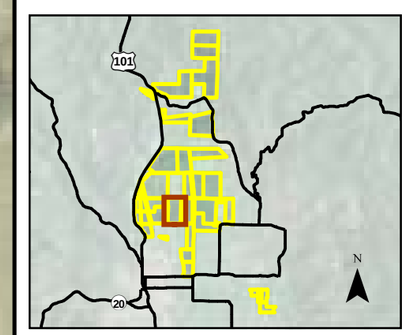

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Scale in Feet

Sheet C-24
Mitigation Actions
Ford
APN 108-030-05

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement

Legend

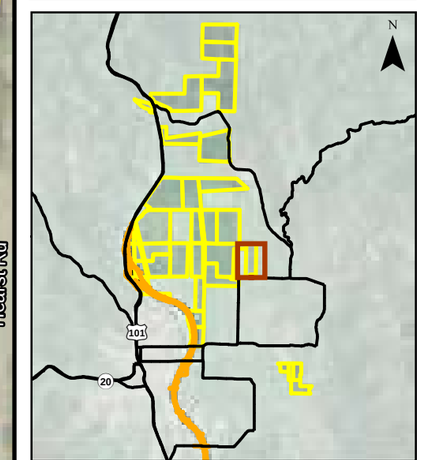
- Offsite Mitigation Parcel

Project Bypass Footprint

- Permanent Impact Area
- Temporary Impact Area

Existing Jurisdictional Wetlands

- Mixed Marsh
- Other Waters
- Riparian Wetland
- Swale
- Wet Meadow



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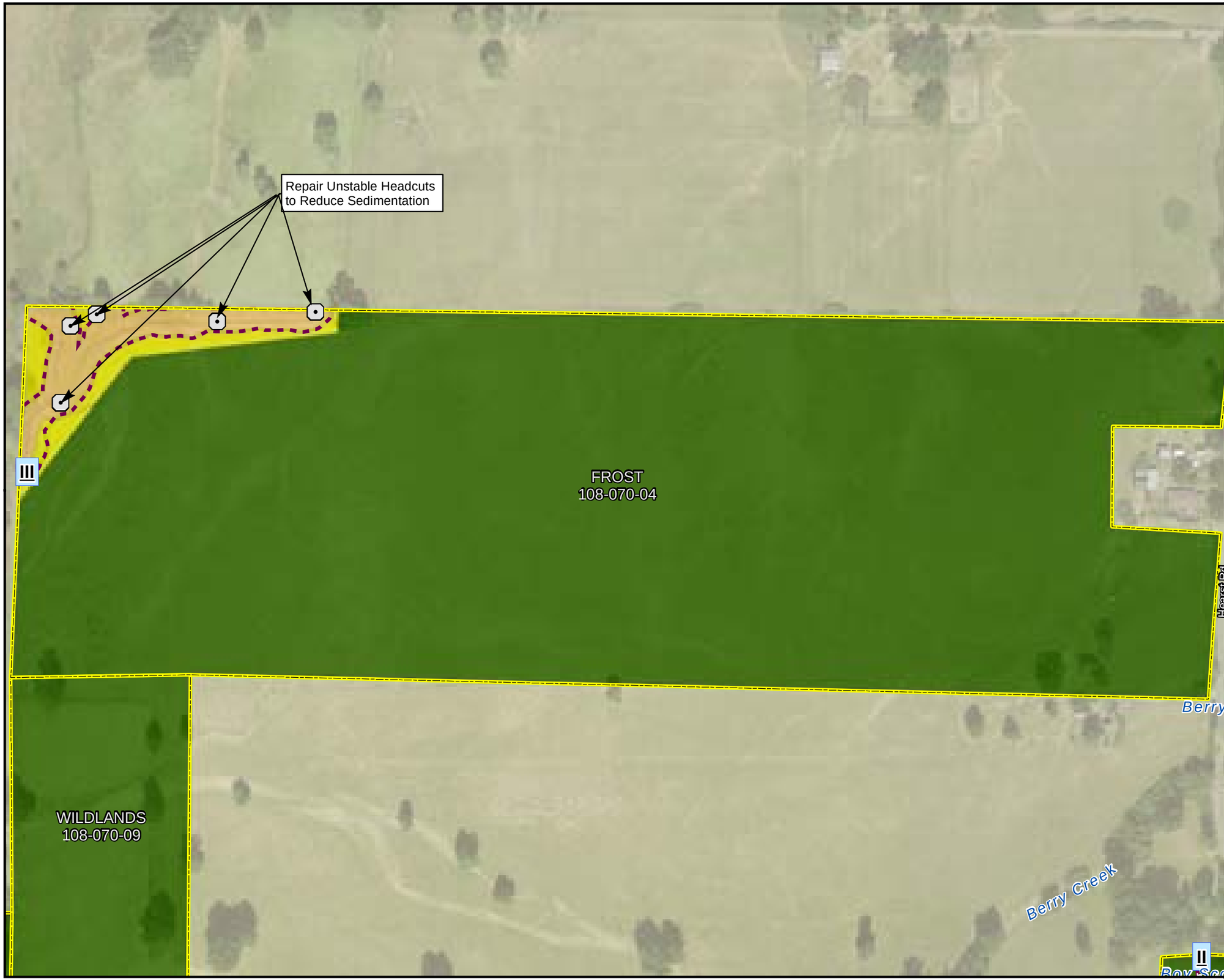
Scale in Feet

Sheet C-25
Jurisdictional Wetlands
Frost
APN 108-070-04

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels



Project Bypass Footprint

- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels

- Offsite Mitigation Parcel

Wetland Establishment

- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation

- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

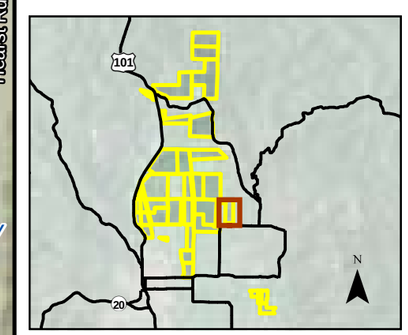
Other Waters Rehabilitation

- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed

- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

N



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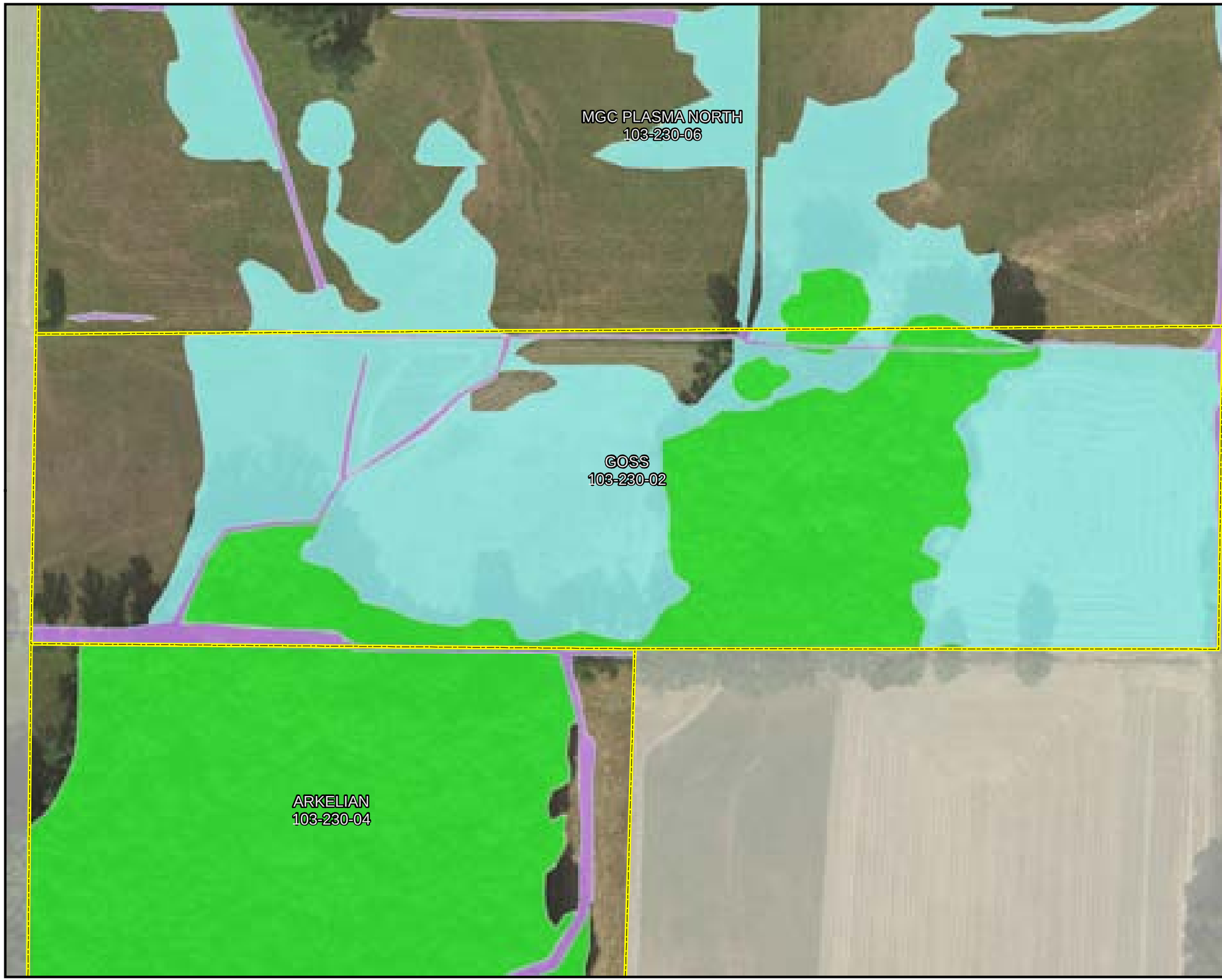
Scale in Feet

Sheet C-26
Mitigation Actions
Frost
APN 108-070-04

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement



Legend

Offsite Mitigation Parcel

Project Bypass Footprint

Permanent Impact Area

Temporary Impact Area

Existing Jurisdictional Wetlands

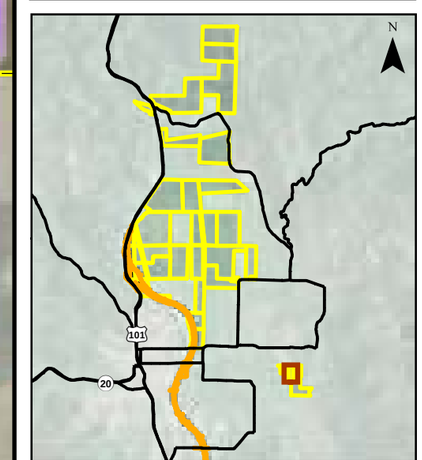
Mixed Marsh

Other Waters

Riparian Wetland

Swale

Wet Meadow



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Scale in Feet

Sheet C-27
Jurisdictional Wetlands
Goss
APN 103-230-02

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels

Project Bypass Footprint

- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels

- Offsite Mitigation Parcel

Wetland Establishment

- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation

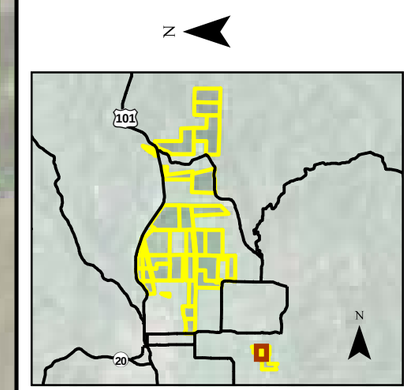
- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

Other Waters Rehabilitation

- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed

- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor



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Scale in Feet

Sheet C-28
Mitigation Actions
Goss
APN 103-230-02

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement

Legend

Offsite Mitigation Parcel

Project Bypass Footprint

Permanent Impact Area

Temporary Impact Area

Existing Jurisdictional Wetlands

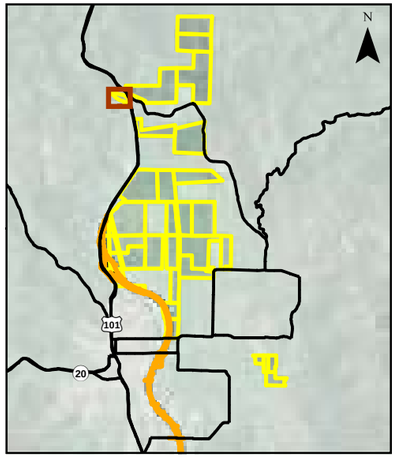
Mixed Marsh

Other Waters

Riparian Wetland

Swale

Wet Meadow



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Scale in Feet

Sheet C-29
Jurisdictional Wetlands
Huff
APN 037-240-RW

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels

Project Bypass Footprint
- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels
- Offsite Mitigation Parcel

Wetland Establishment
- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation
- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

Other Waters Rehabilitation
- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed
- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

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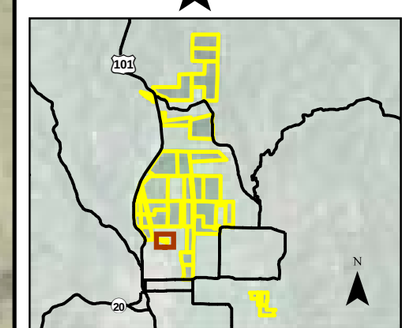

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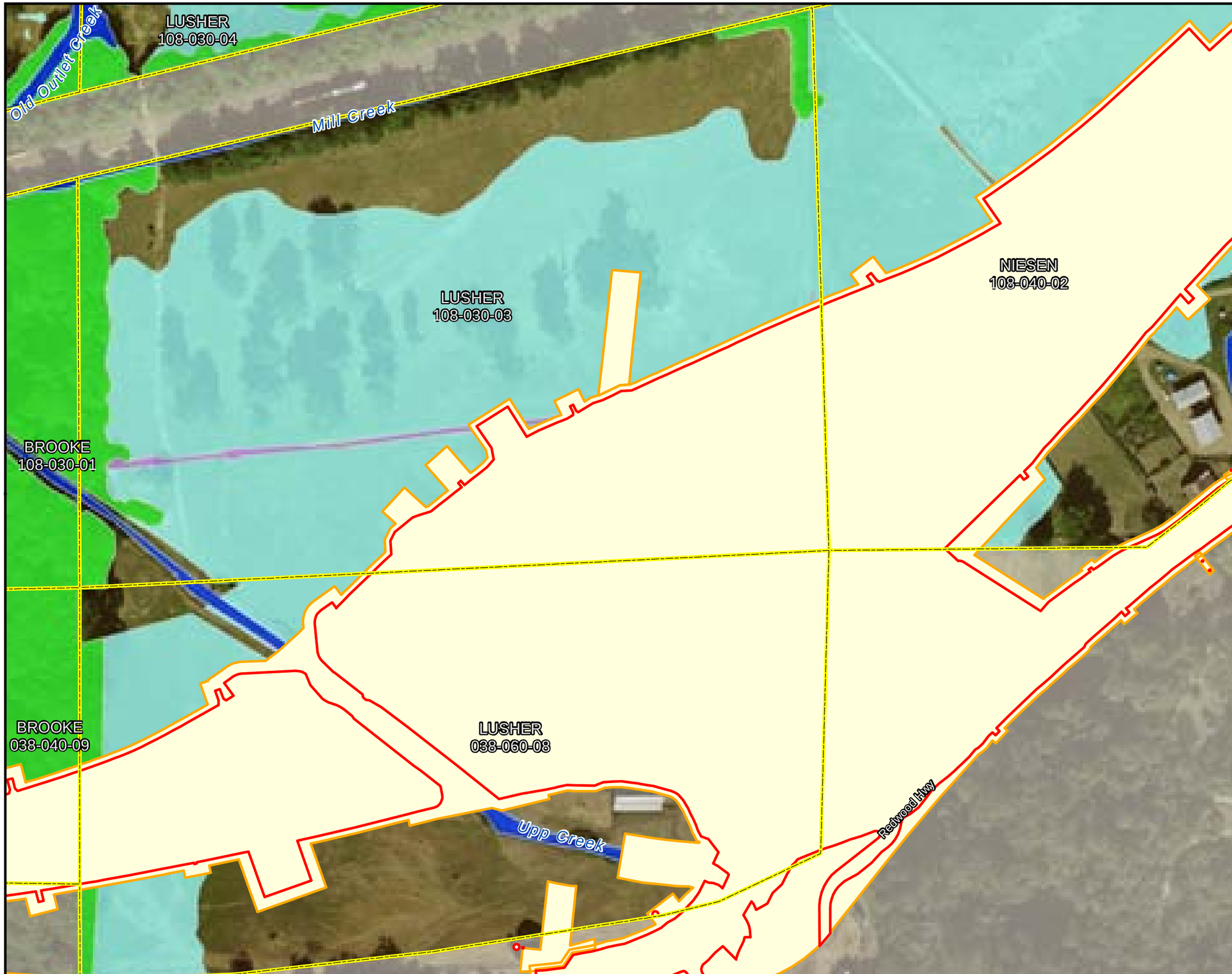
Scale in Feet

Sheet C-30
Mitigation Actions
Huffman
APN 108-040-08

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement



Legend

Offsite Mitigation Parcel

Project Bypass Footprint

Permanent Impact Area

Temporary Impact Area

Existing Jurisdictional Wetlands

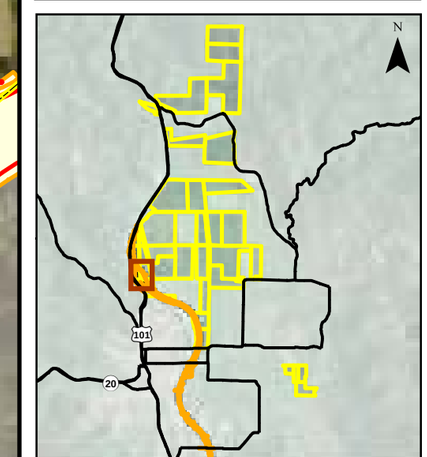
Mixed Marsh

Other Waters

Riparian Wetland

Swale

Wet Meadow



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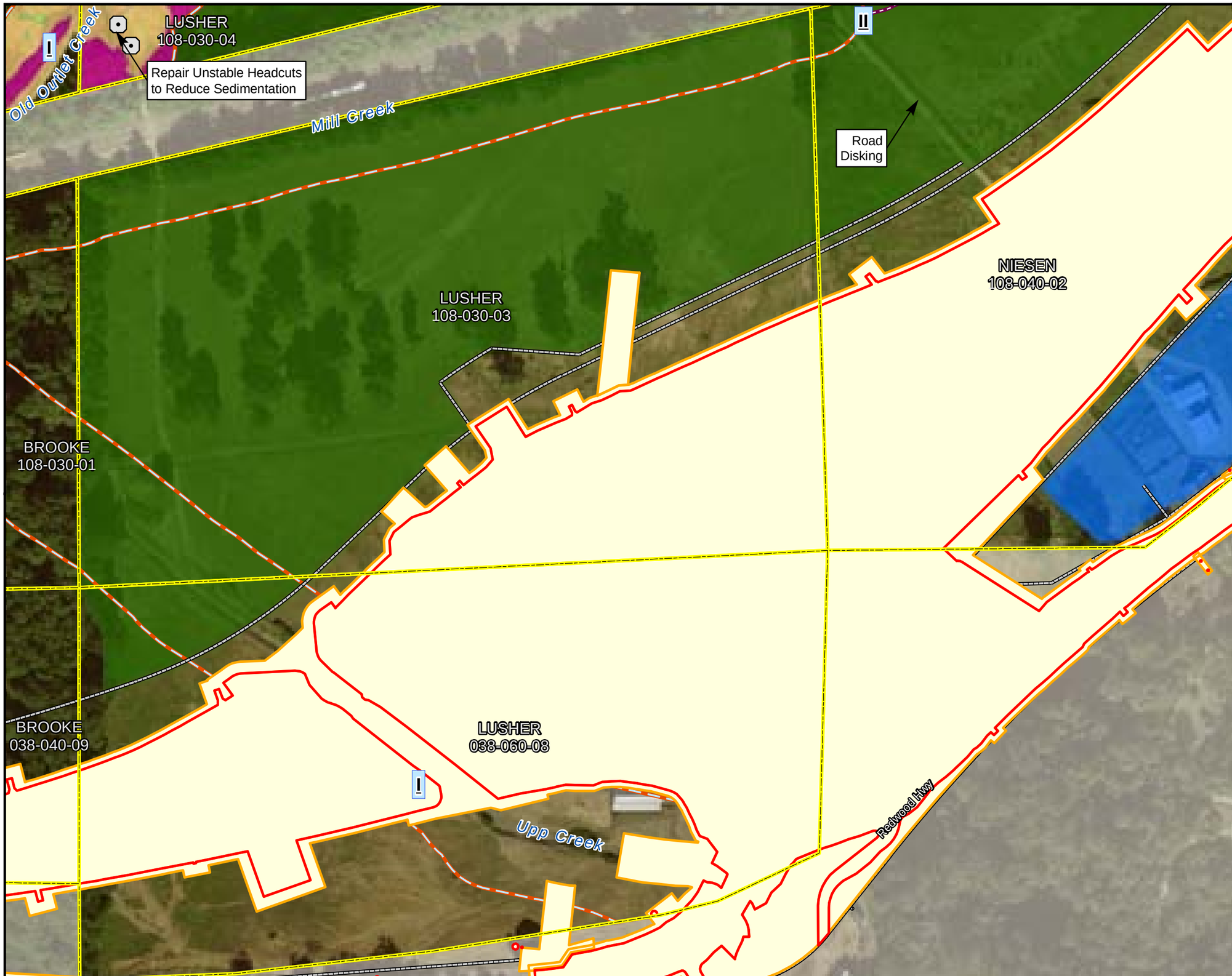
Scale in Feet

Sheet C-31
Jurisdictional Wetlands
Lusher
APNs 108-030-03 & 038-060-08

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels



Project Bypass Footprint

- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels

- Offsite Mitigation Parcel

Wetland Establishment

- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation

- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

Other Waters Rehabilitation

- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed

- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

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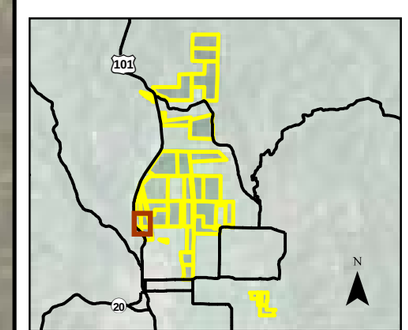

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Scale in Feet

Sheet C-32
Mitigation Actions
Lusher
APNs 108-030-03 & 038-060-08

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement

Legend

Offsite Mitigation Parcel

Project Bypass Footprint

Permanent Impact Area

Temporary Impact Area

Existing Jurisdictional Wetlands

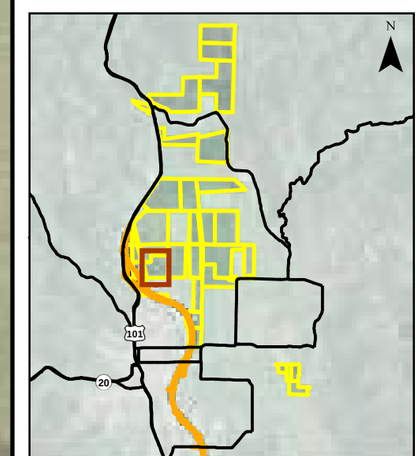
Mixed Marsh

Other Waters

Riparian Wetland

Swale

Wet Meadow



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Scale in Feet

Sheet C-33
Jurisdictional Wetlands
Lusher
APN 108-030-04

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels

Project Bypass Footprint

- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels

- Offsite Mitigation Parcel

Wetland Establishment

- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation

- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

Other Waters Rehabilitation

- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed

- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

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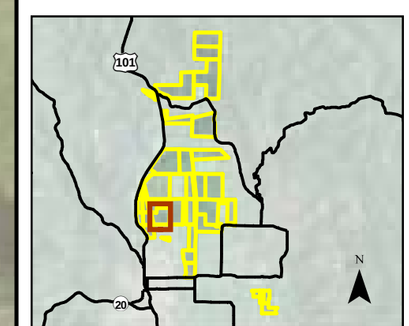

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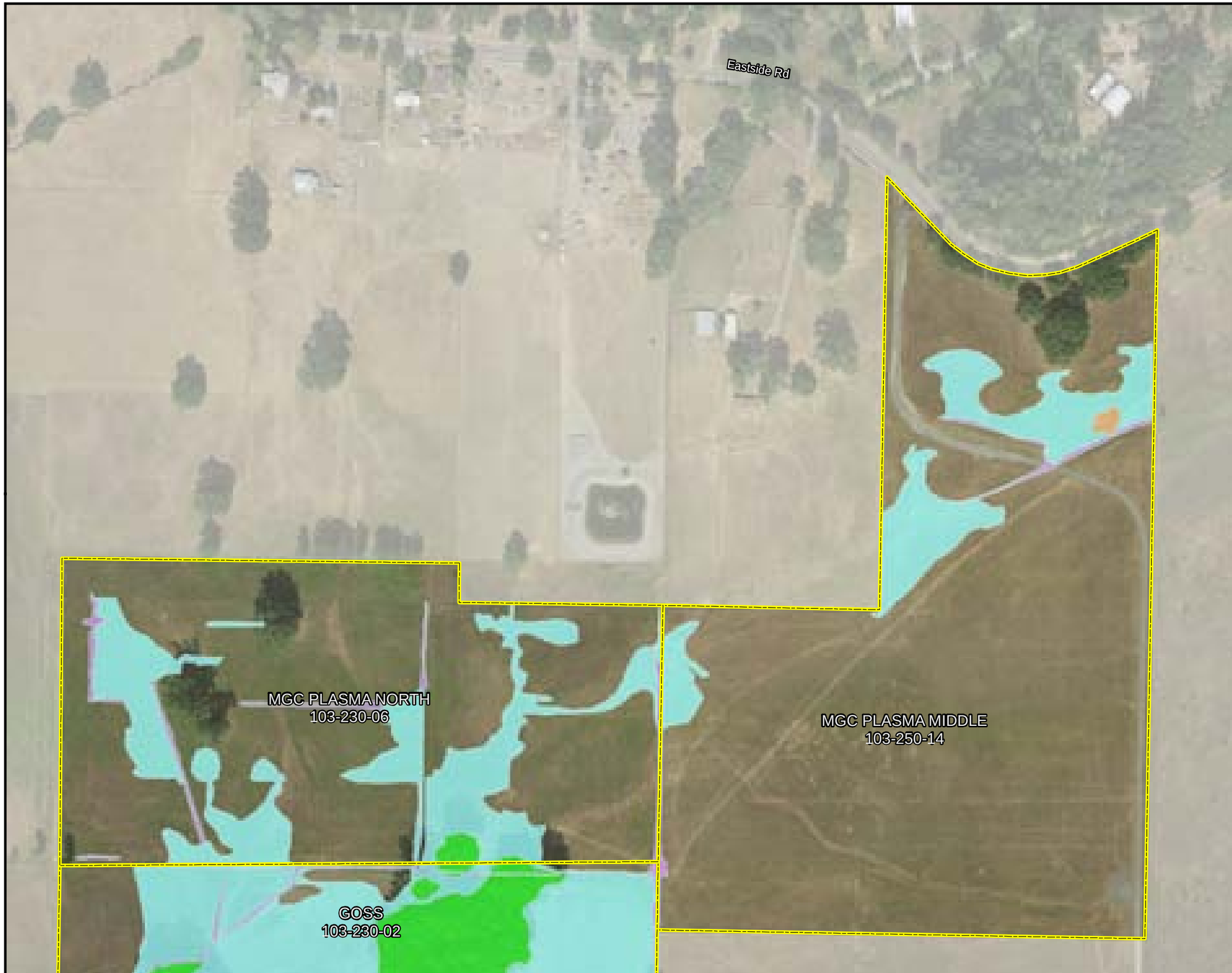
Scale in Feet

Sheet C-34
Mitigation Actions
Lusher
APN 108-030-04

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement



Legend

Offsite Mitigation Parcel

Project Bypass Footprint

Permanent Impact Area

Temporary Impact Area

Existing Jurisdictional Wetlands

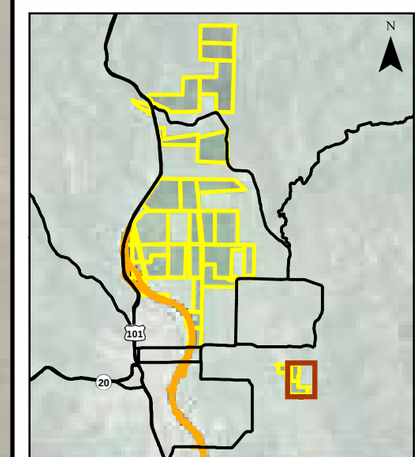
Mixed Marsh

Other Waters

Riparian Wetland

Swale

Wet Meadow



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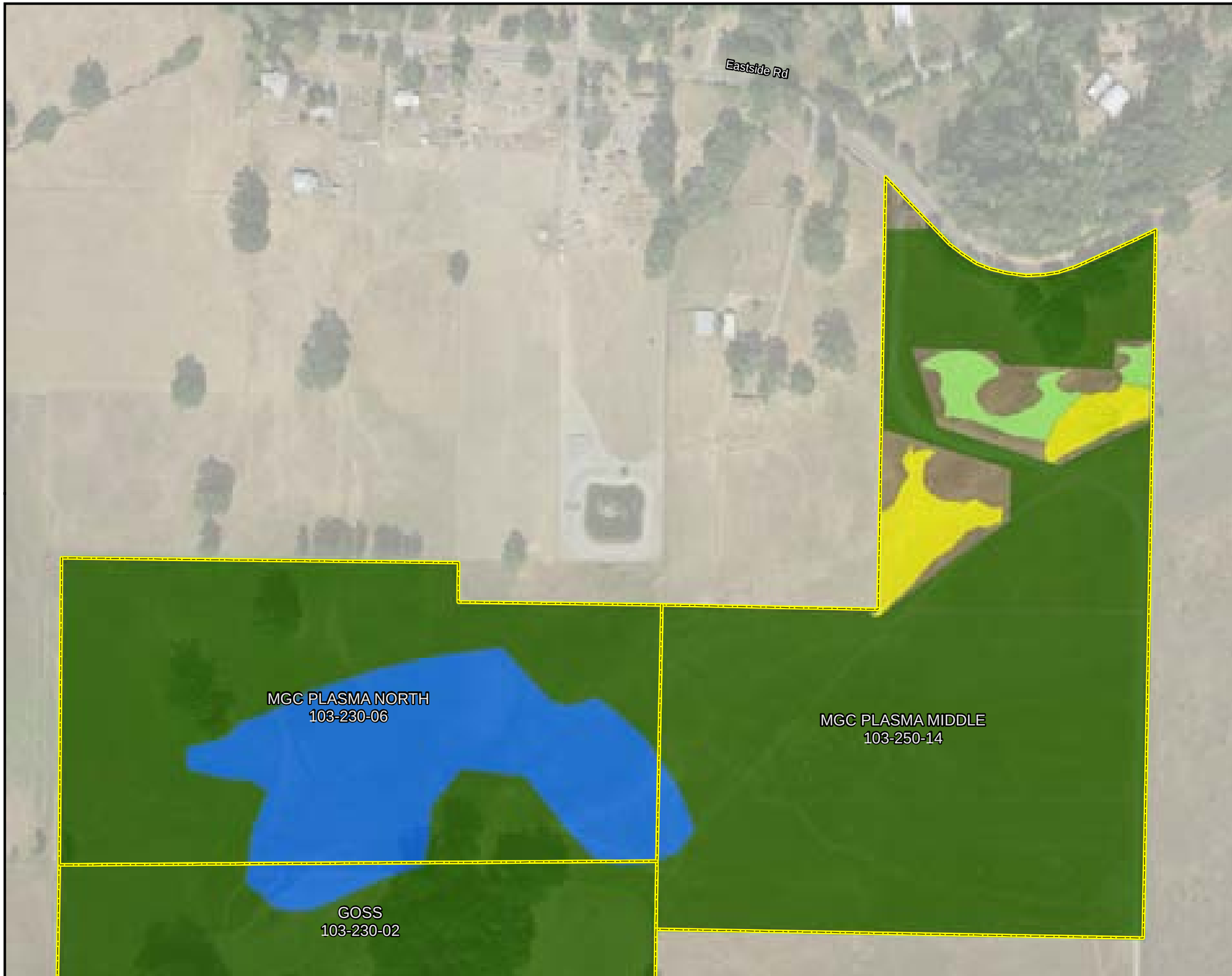
Scale in Feet

Sheet C-35
Jurisdictional Wetlands
MGC Plasma-North & Middle
APNs 103-230-06 & 103-250-14

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels



Project Bypass Footprint
- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels
- Offsite Mitigation Parcel

Wetland Establishment
- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation
- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

Other Waters Rehabilitation
- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed
- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

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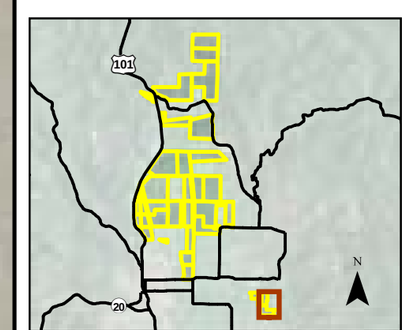

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Scale in Feet

Sheet C-36
Mitigation Actions
MGC Plasma-North & Middle
APNs 103-230-06 & 103-250-14

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement

Legend

Offsite Mitigation Parcel

Project Bypass Footprint

Permanent Impact Area

Temporary Impact Area

Existing Jurisdictional Wetlands

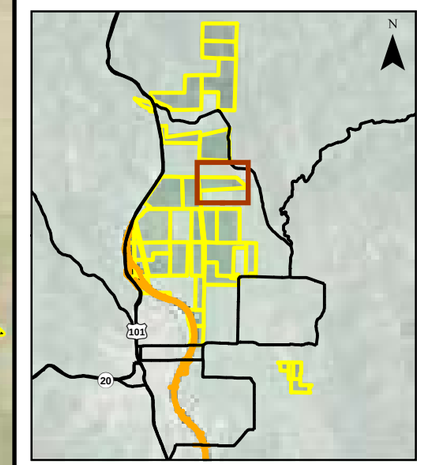
Mixed Marsh

Other Waters

Riparian Wetland

Swale

Wet Meadow



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Scale in Feet

Sheet C-37
Jurisdictional Wetlands
Nance
APN 108-050-06

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels

Project Bypass Footprint
- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels
- Offsite Mitigation Parcel

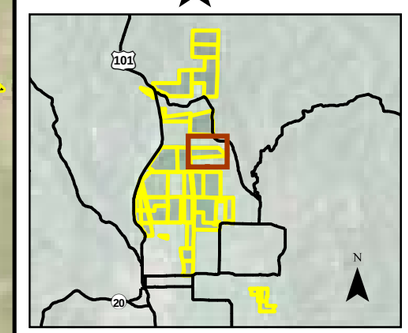
Wetland Establishment
- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation
- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

Other Waters Rehabilitation
- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed
- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

N



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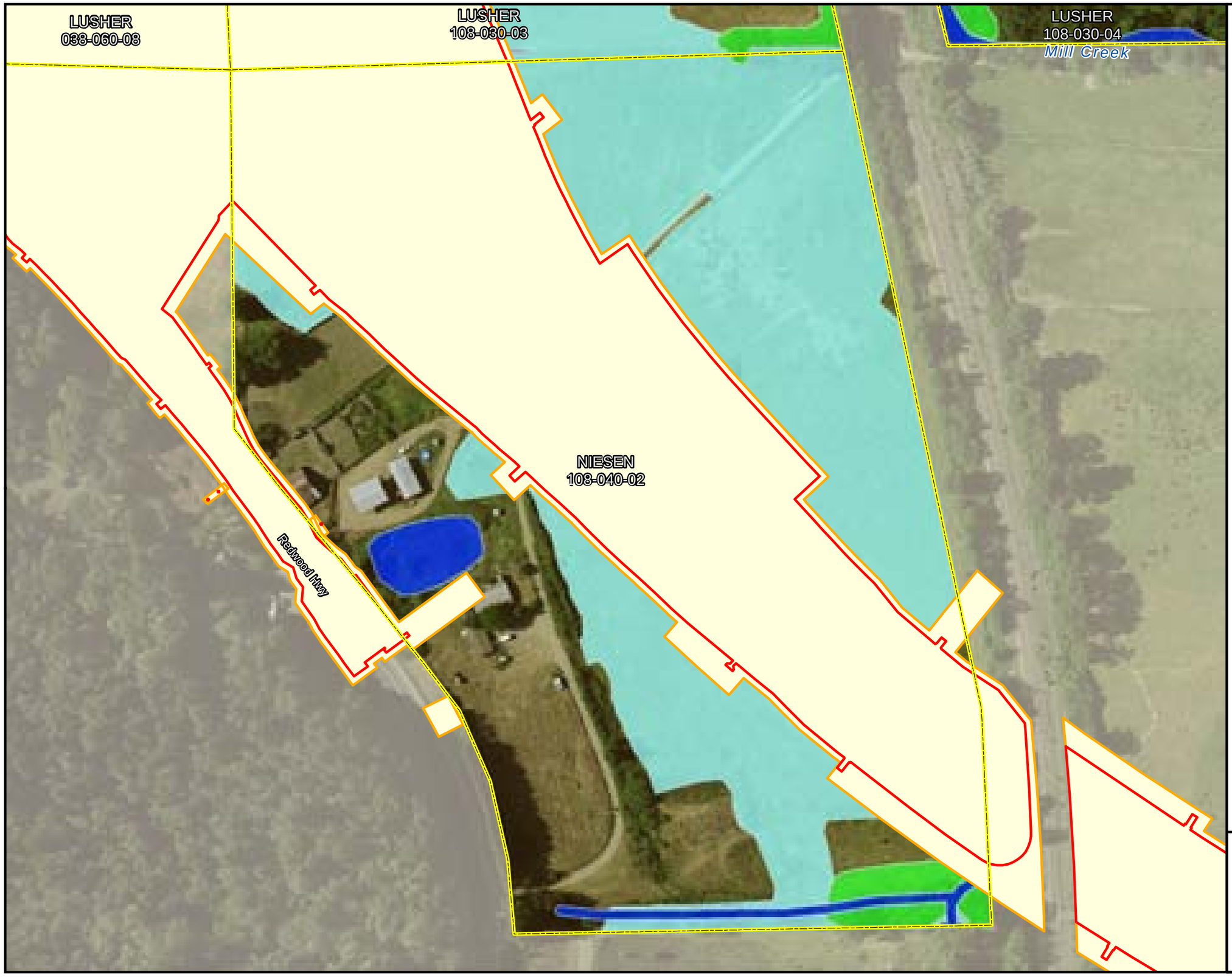
Scale in Feet

Sheet C-38
Mitigation Actions
Nance
APN 108-050-06

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement



Legend

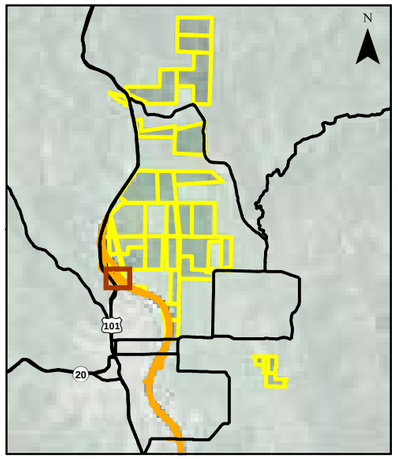
- Offsite Mitigation Parcel

Project Bypass Footprint

- Permanent Impact Area
- Temporary Impact Area

Existing Jurisdictional Wetlands

- Mixed Marsh
- Other Waters
- Riparian Wetland
- Swale
- Wet Meadow



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Scale in Feet

Sheet C-39
Jurisdictional Wetlands
Niesen
APN 108-040-02

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels

Project Bypass Footprint
- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels
- Offsite Mitigation Parcel

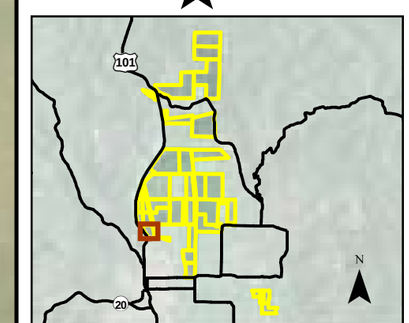
Wetland Establishment
- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation
- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

Other Waters Rehabilitation
- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed
- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

N

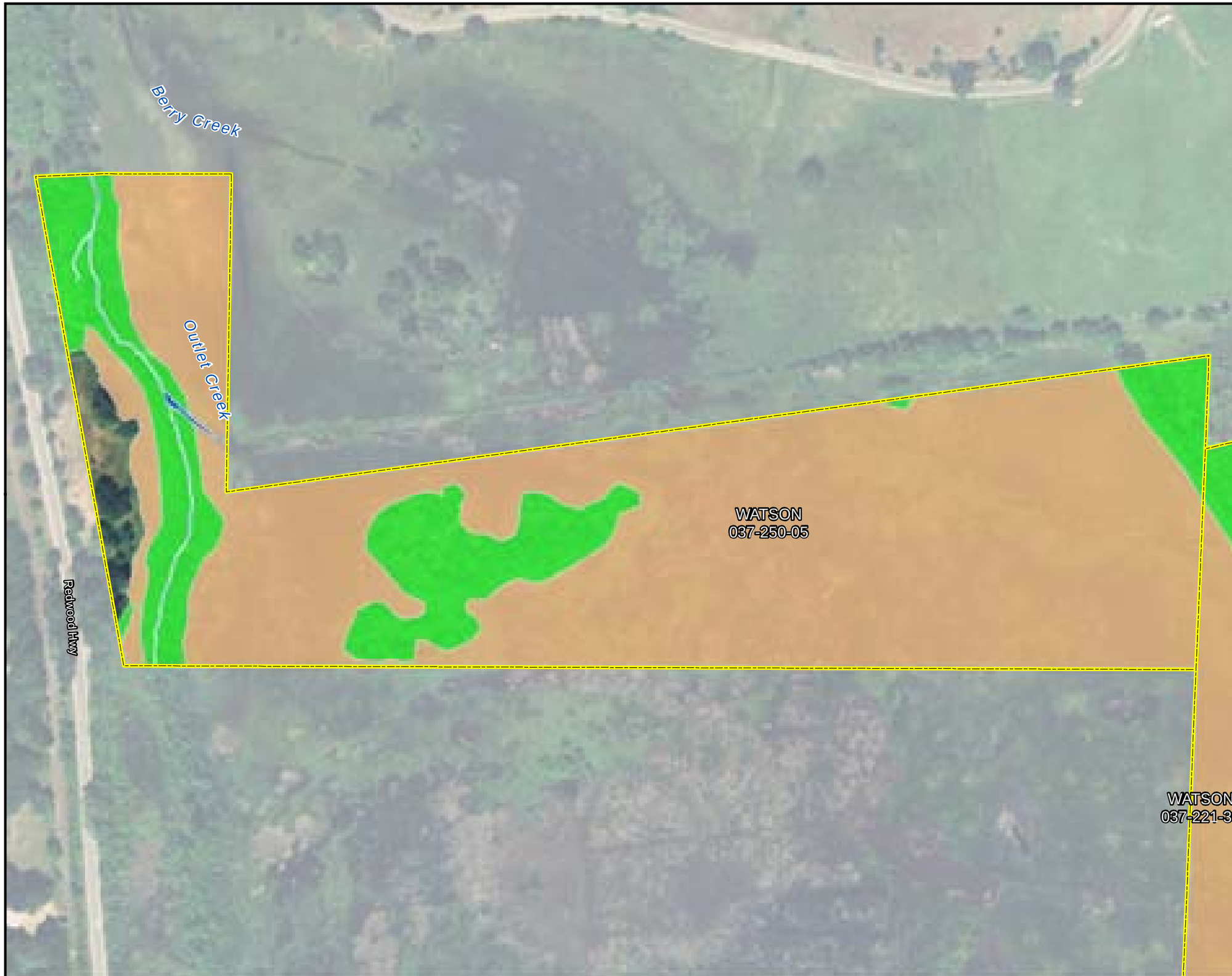


0 200

Scale in Feet

Sheet C-40
Mitigation Actions
Niesen
APN 108-040-02

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement



Legend

Offsite Mitigation Parcel

Project Bypass Footprint

Permanent Impact Area

Temporary Impact Area

Existing Jurisdictional Wetlands

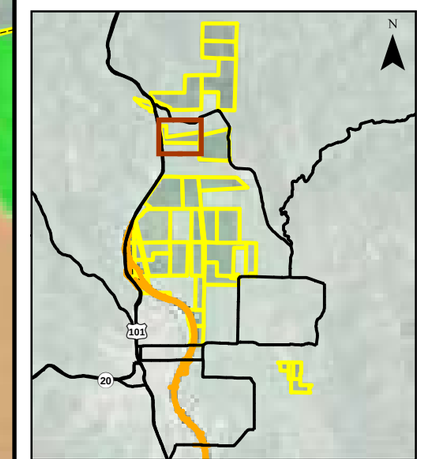
Mixed Marsh

Other Waters

Riparian Wetland

Swale

Wet Meadow



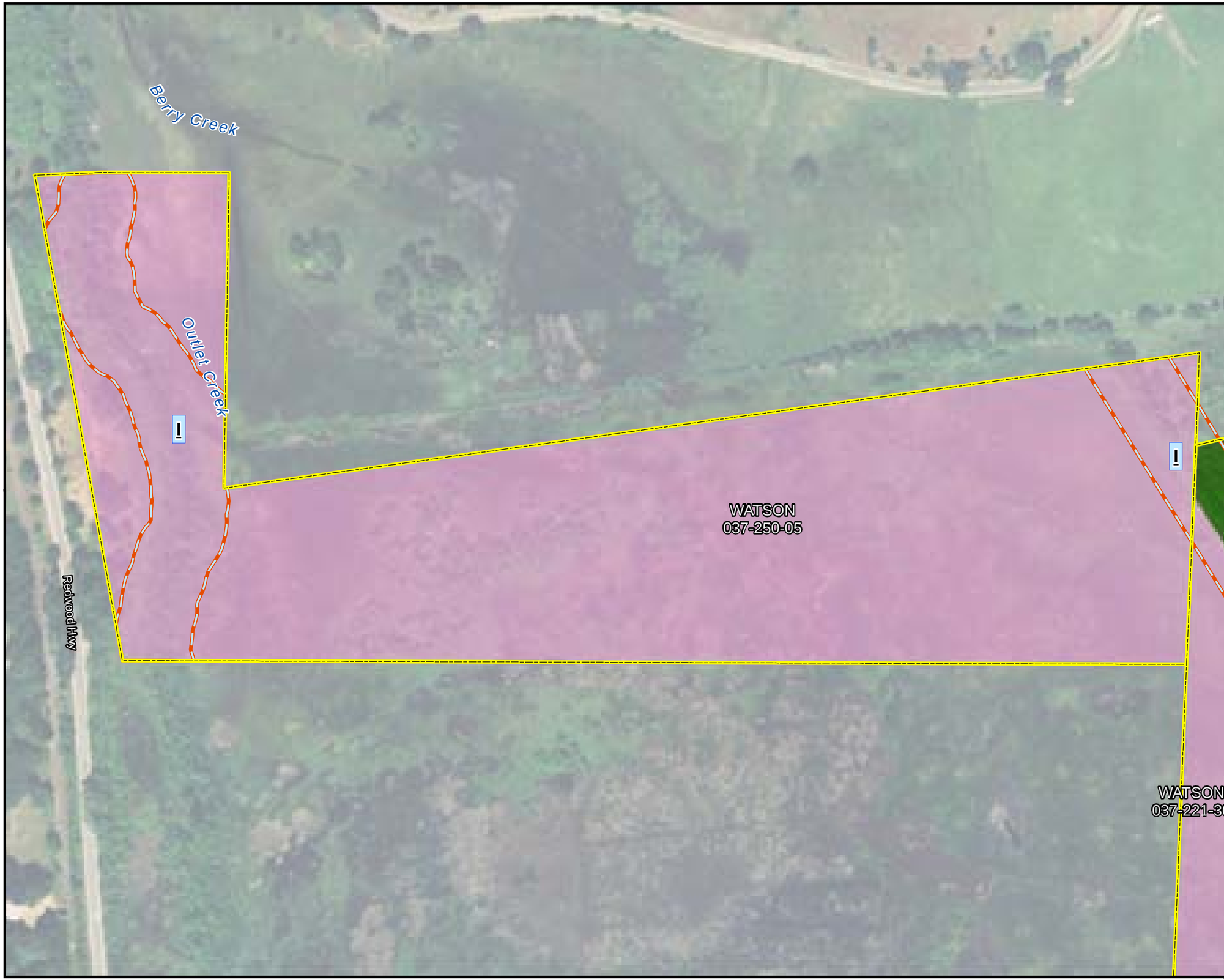
N

0 200

Scale in Feet

Sheet C-41
Jurisdictional Wetlands
Watson
APN 037-250-05

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels



Project Bypass Footprint
- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels
- Offsite Mitigation Parcel

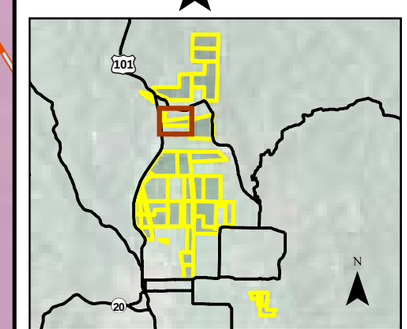
Wetland Establishment
- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation
- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

Other Waters Rehabilitation
- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed
- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

N

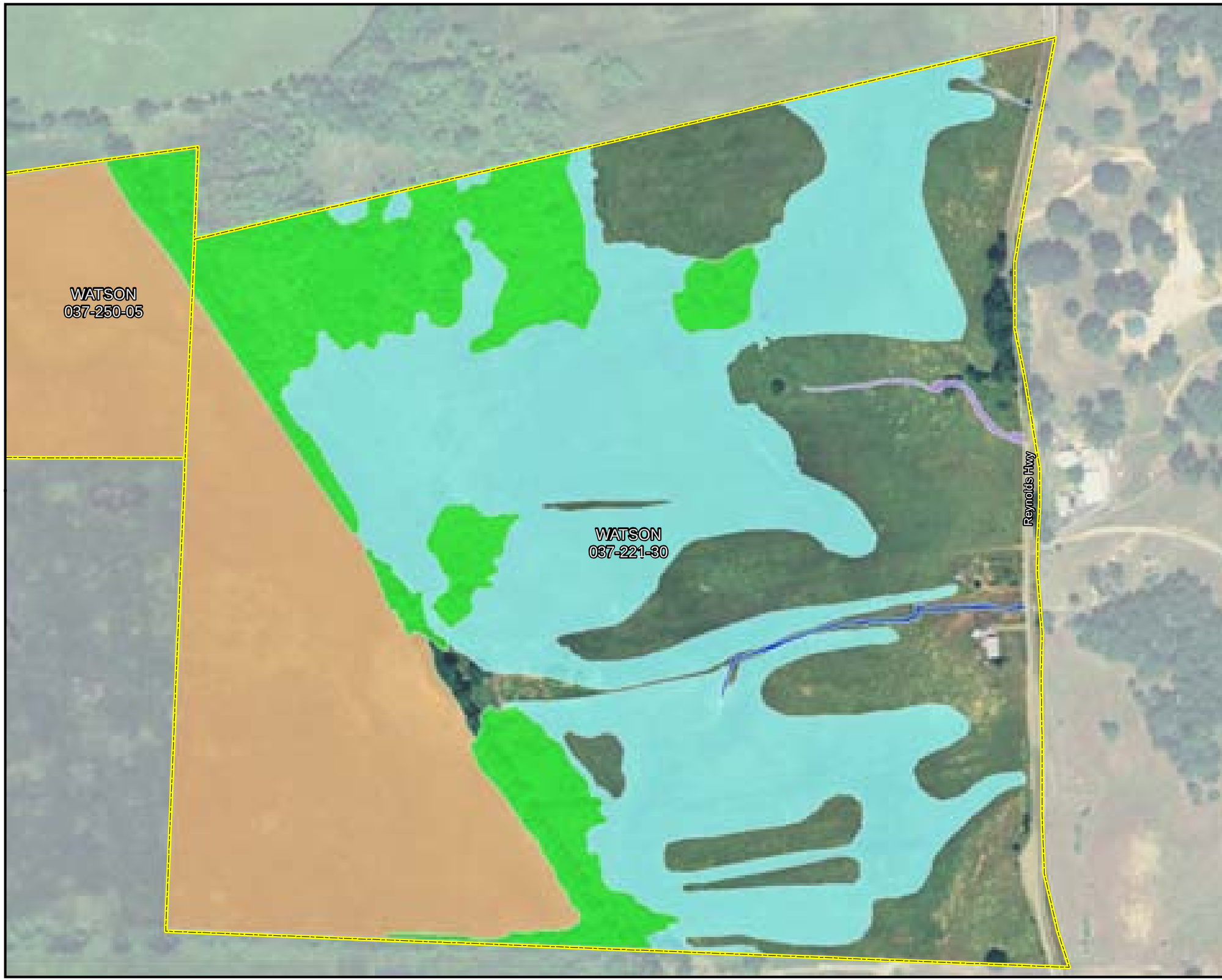


0 200

Scale in Feet

Sheet C-42
Mitigation Actions
Watson
APN 037-250-05

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement



Legend

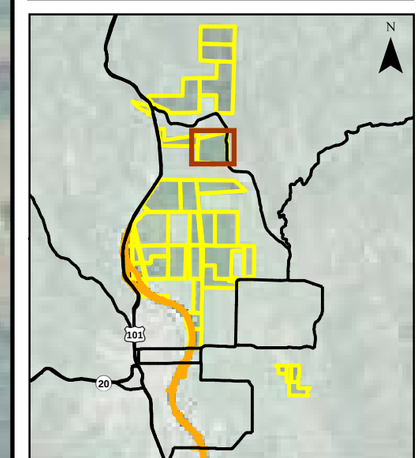
- Offsite Mitigation Parcel

Project Bypass Footprint

- Permanent Impact Area
- Temporary Impact Area

Existing Jurisdictional Wetlands

- Mixed Marsh
- Other Waters
- Riparian Wetland
- Swale
- Wet Meadow



N

0 200

Scale in Feet

Sheet C-43
Jurisdictional Wetlands
Watson
APN 037-221-30

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels

Project Bypass Footprint

- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels

- Offsite Mitigation Parcel

Wetland Establishment

- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation

- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

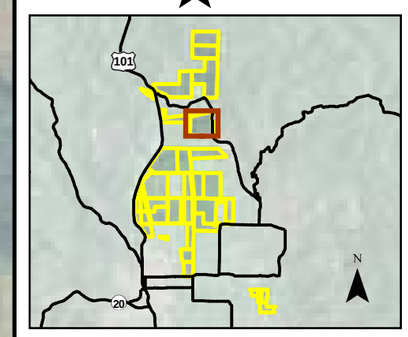
Other Waters Rehabilitation

- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed

- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

N



0 200

Scale in Feet

Sheet C-44
Mitigation Actions
Watson
APN 037-221-30

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement

Legend

Offsite Mitigation Parcel

Project Bypass Footprint

Permanent Impact Area

Temporary Impact Area

Existing Jurisdictional Wetlands

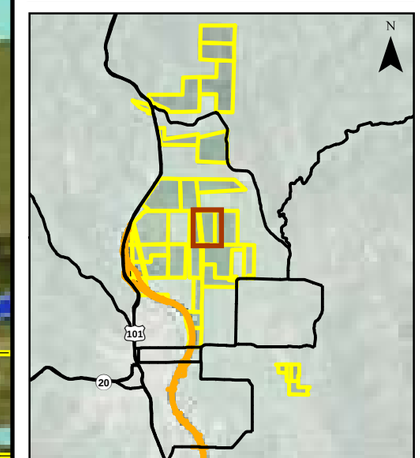
Mixed Marsh

Other Waters

Riparian Wetland

Swale

Wet Meadow



N

0 200

Scale in Feet

Sheet C-45
Jurisdictional Wetlands
Wildlands
APNs 108-060-01 & 108-020-07

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels

Project Bypass Footprint
- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels
- Offsite Mitigation Parcel

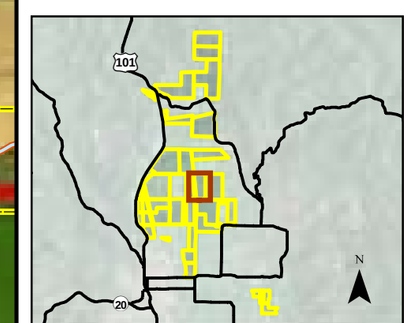
Wetland Establishment
- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation
- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

Other Waters Rehabilitation
- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed
- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

N

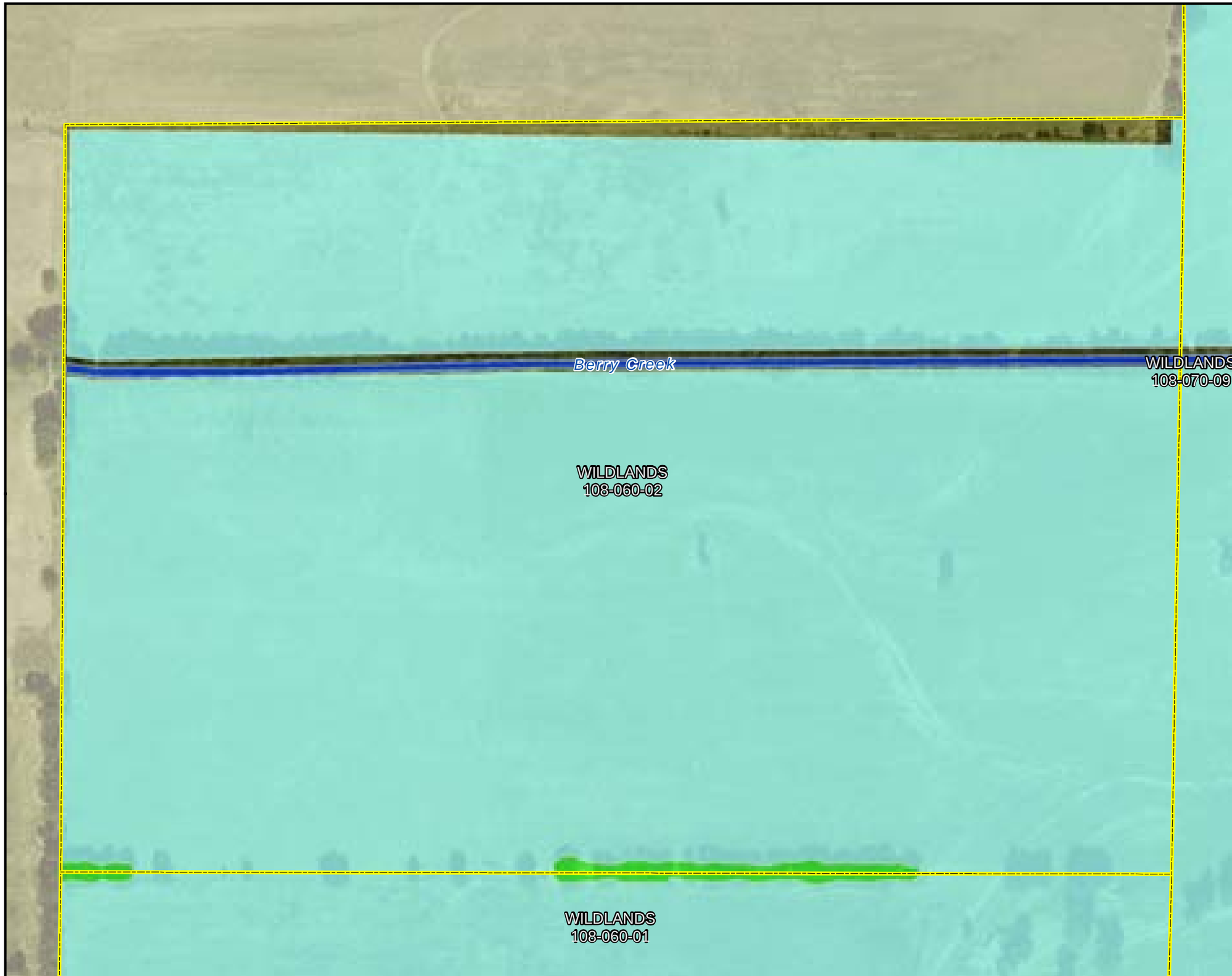


0 200

Scale in Feet

Sheet C-46
Mitigation Actions
Wildlands
APNs 108-060-01 & 108-020-07

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement



Legend

Offsite Mitigation Parcel

Project Bypass Footprint

Permanent Impact Area

Temporary Impact Area

Existing Jurisdictional Wetlands

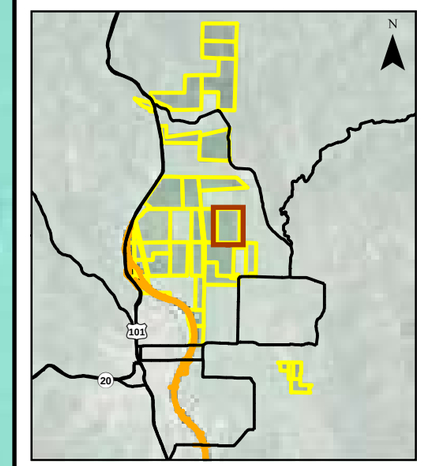
Mixed Marsh

Other Waters

Riparian Wetland

Swale

Wet Meadow



N

0 200

Scale in Feet

Sheet C-47
Jurisdictional Wetlands
Wildlands
APN 108-060-02

Willits Bypass
Sensitive Biological Resources
on Mitigation Parcels

Project Bypass Footprint
- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels
- Offsite Mitigation Parcel

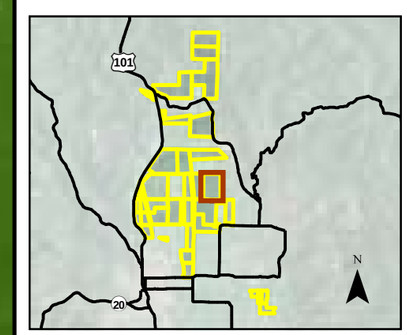
Wetland Establishment
- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation
- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

Other Waters Rehabilitation
- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed
- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

N

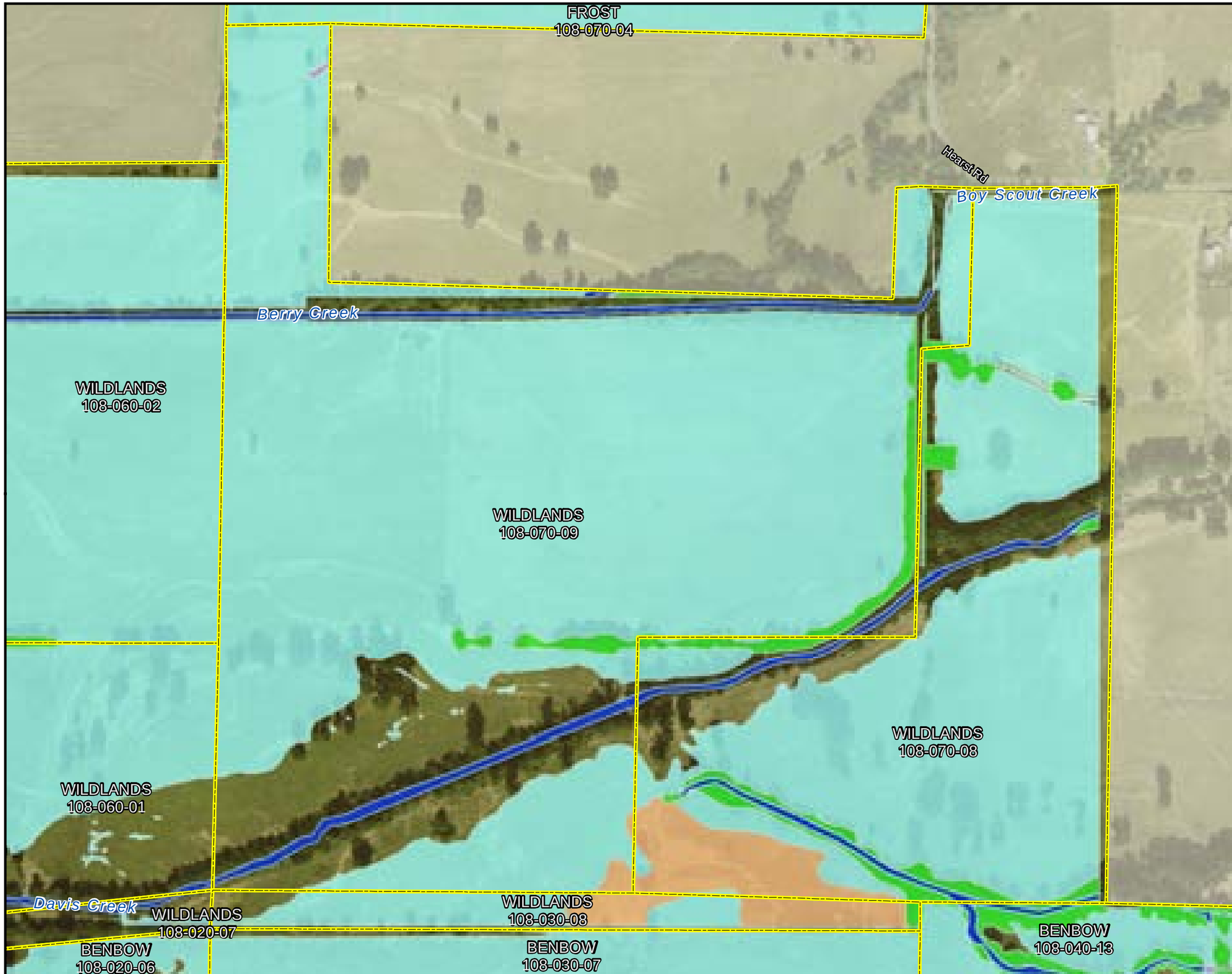


0 200

Scale in Feet

Sheet C-48
Mitigation Actions
Wildlands
APN 108-060-02

Willits Bypass
Riparian, Wetland, and Oak
Establishment and Enhancement



Legend

Offsite Mitigation Parcel

Project Bypass Footprint

Permanent Impact Area

Temporary Impact Area

Existing Jurisdictional Wetlands

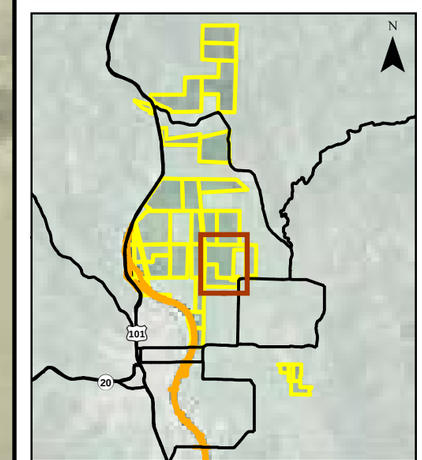
Mixed Marsh

Other Waters

Riparian Wetland

Swale

Wet Meadow

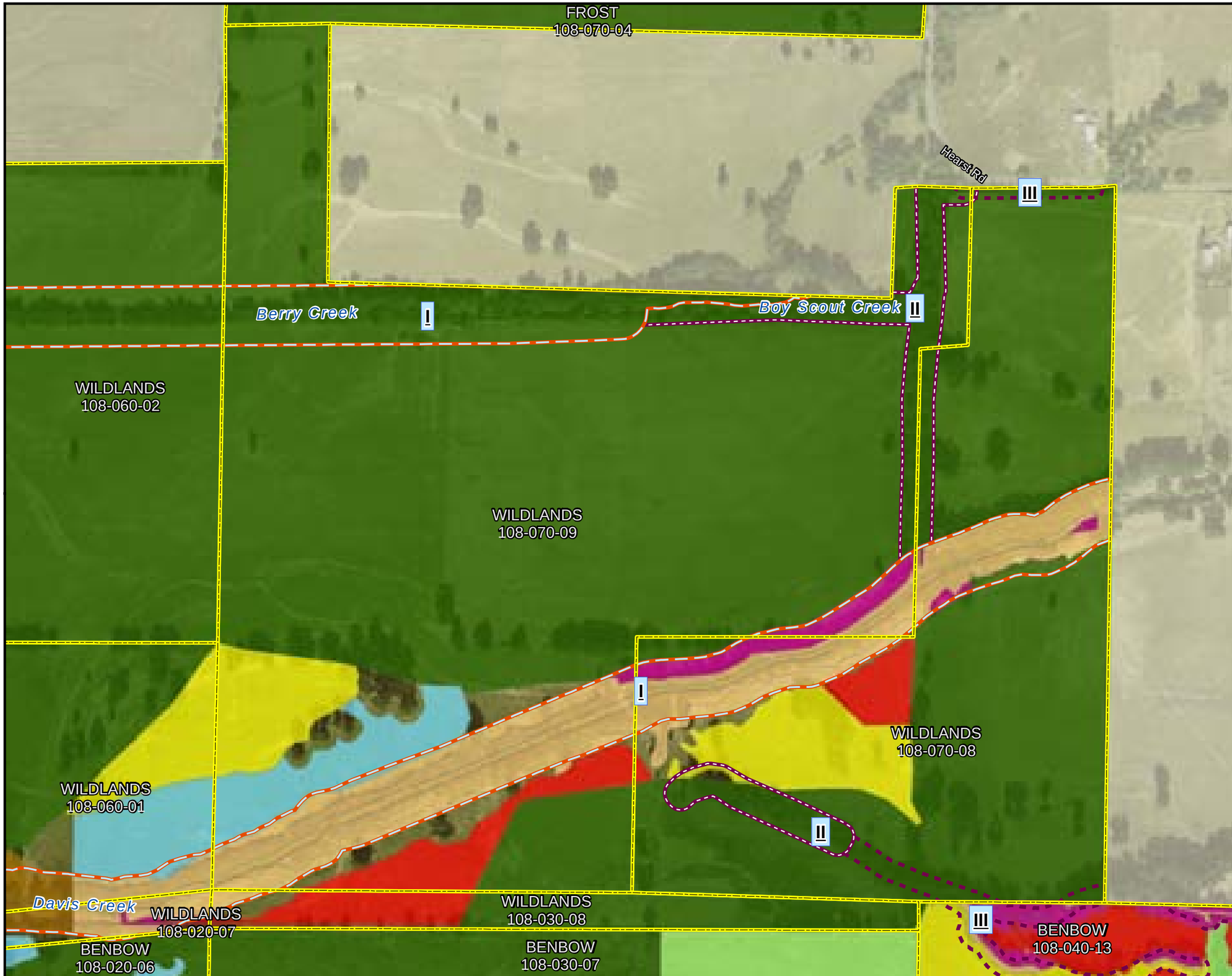


N

0 200

Scale in Feet

Sheet C-49
Jurisdictional Wetlands
Wildlands
APNs 108-030-08, 108-070-08, & 108-070-09
Willits Bypass
Sensitive Biological Resources on Mitigation Parcels



Project Bypass Footprint

- Permanent Impact Area
- Temporary Impact Area
- Right of Way

Mitigation Parcels

- Offsite Mitigation Parcel

Wetland Establishment

- Group 1 - (1.0 Credit)
- Group 2 - (0.3 Credit)

Wetland Rehabilitation

- Type 1 - (0.05 Credit)
- Type 2 - (0.1 Credit)
- Type 3 - (0.2 Credit)
- Type 4 - (0.3 Credit)
- Type 5 - (0.3 Credit)

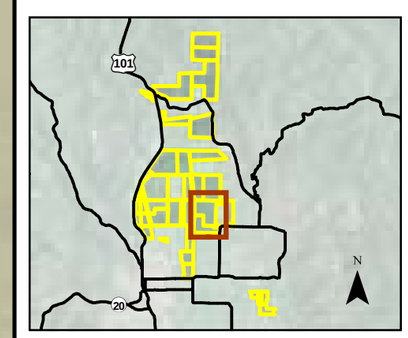
Other Waters Rehabilitation

- Other Waters Rehabilitation
- Repair Headcut or Eroding Bank

Other Offsite Mitigation Actions, No Jurisdictional Credits Proposed

- Other Waters Rehabilitation
- Grazing
- Category I Riparian Corridor
- Category II Riparian Corridor
- Category III Riparian Corridor

N



0 200

Scale in Feet

Sheet C-50
Mitigation Actions
Wildlands
APNs 108-030-08, 108-070-08, & 108-070-09

Willits Bypass
Riparian, Wetland, and Oak Establishment and Enhancement