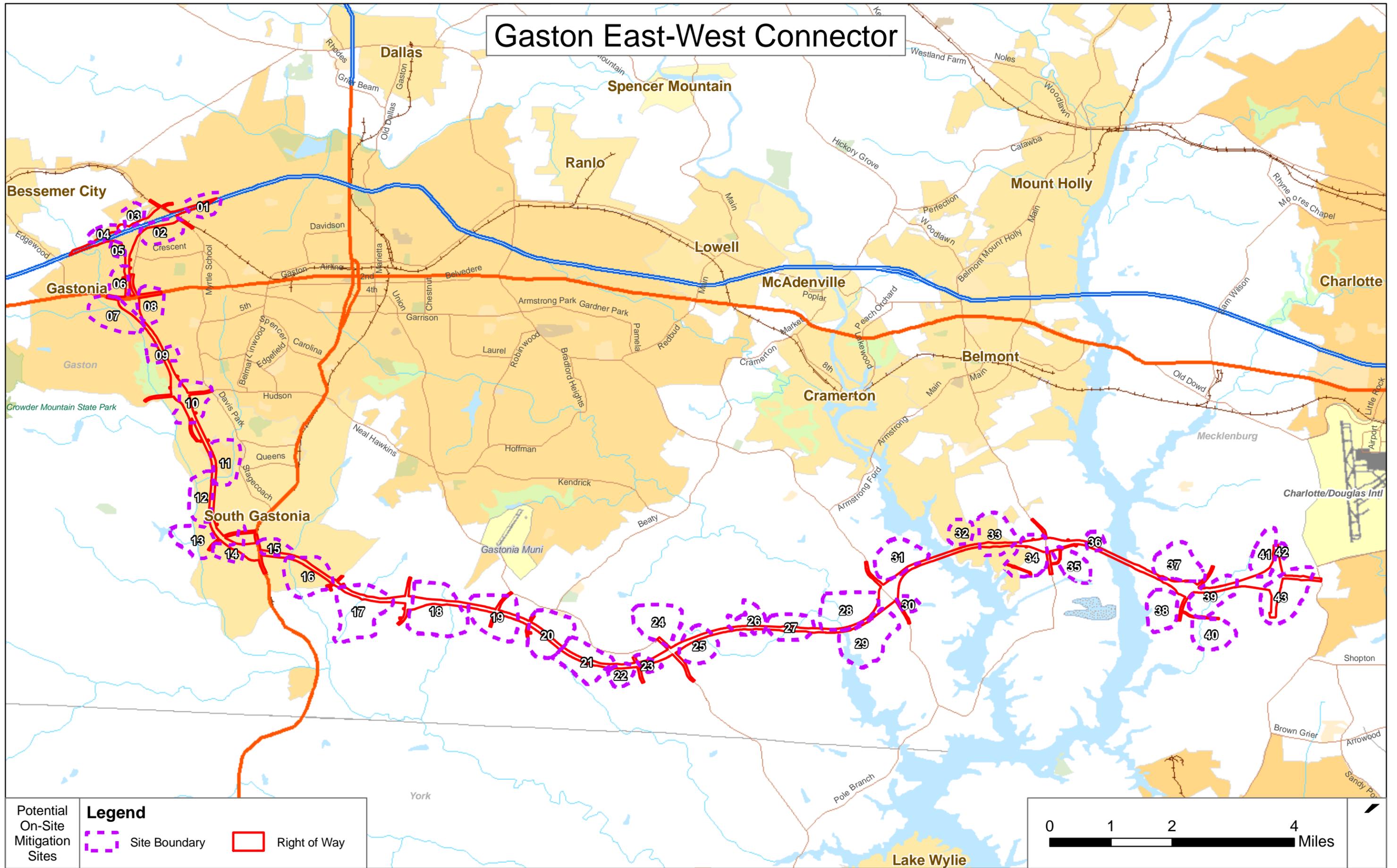


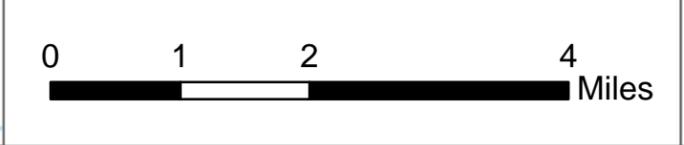
APPENDIX C

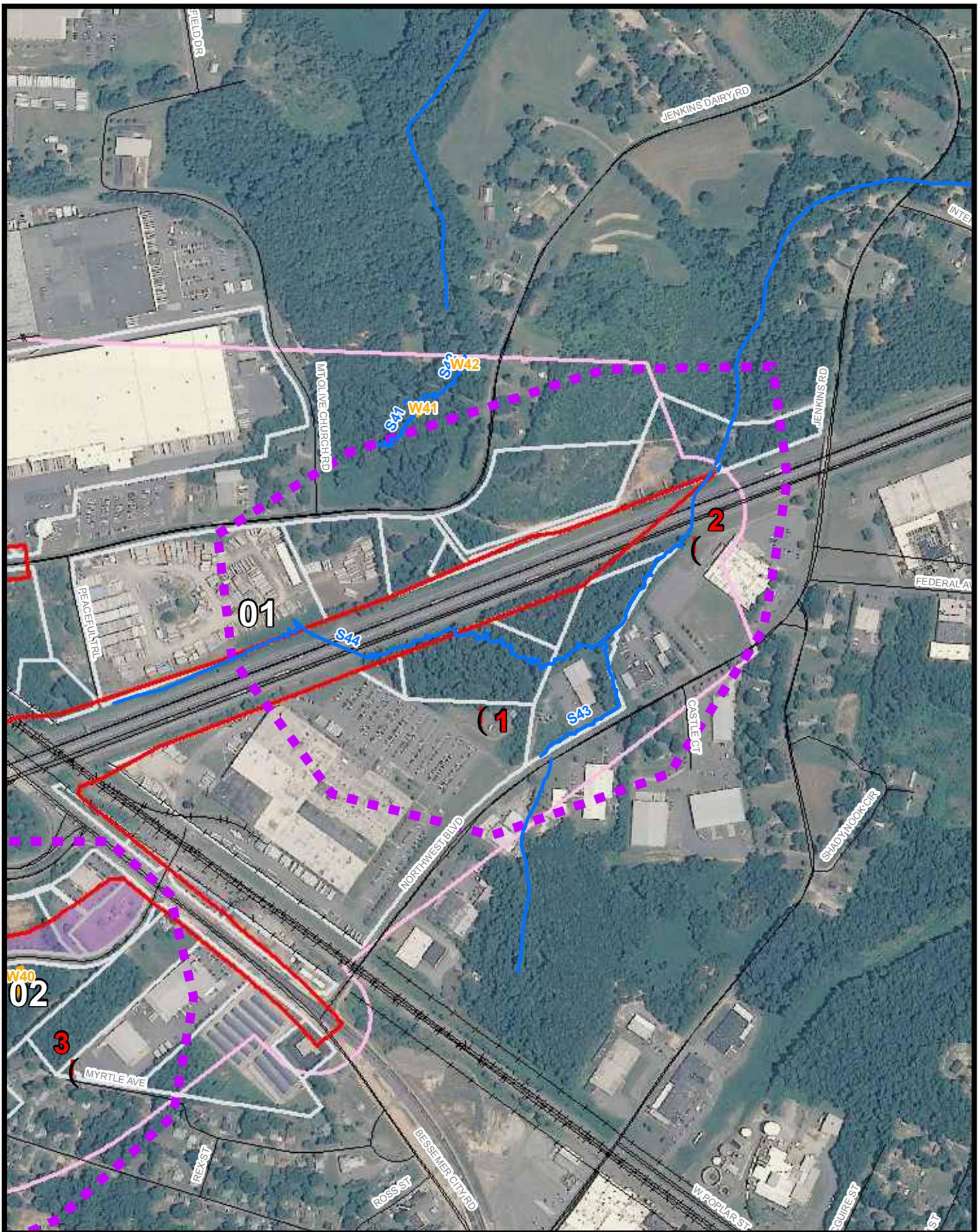
Project Atlas for Potential On-Site, Adjacent, and Nearby Mitigation Opportunities

Gaston East-West Connector



Potential On-Site Mitigation Sites	Legend
	Site Boundary
	Right of Way





GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

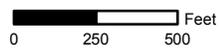
Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Wetlands
- Roads
- BMP Opportunities

Site 01



Location: Site 01 is located in Gaston County, NC, surrounding I!85 directly west of the intersection of Northwest Blvd and Jenkins Rd within the H2A corridor segment.

Site Description: Site 01 contains three stream tributaries, one of which being a viable opportunity. The site consists of mixed commercial parcels along with completely forested parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	Wetlands	
<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> Preservation	<input checked="" type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Enhancement	<input type="checkbox"/> 303d Listed
<input type="checkbox"/> Restoration	<input type="checkbox"/> Restoration	<input type="checkbox"/> UT to 303d

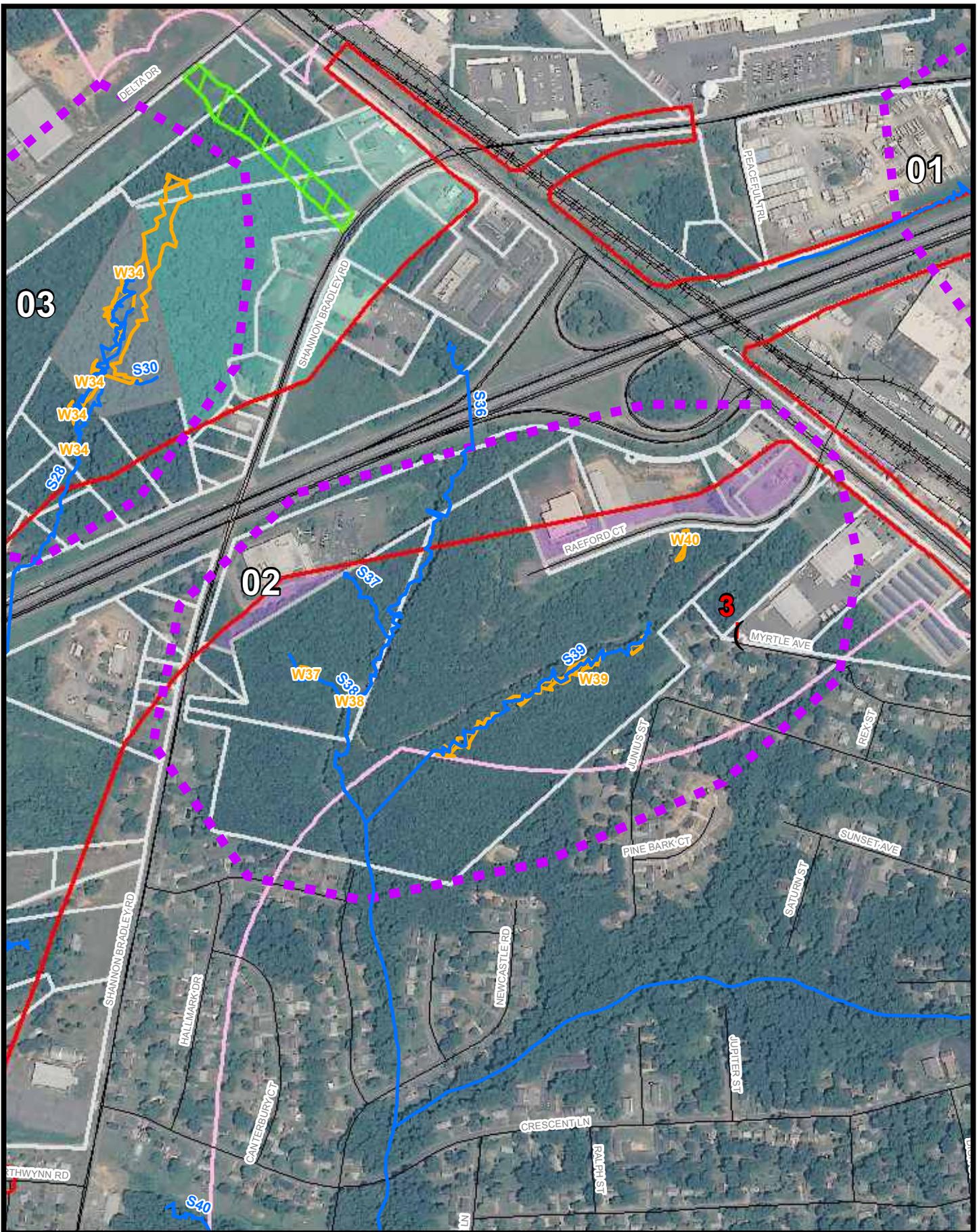
Resource Summary: Total Stream Length: 1642 Linear Feet Wetlands: 0 Acres
 Number of BMPs: 2

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S43	UT to Kaglor Branch	NO	No	674	ADJ
S44	UT to Kaglor Branch	NO	No	221	ADJ
S44	UT to Kaglor Branch	P	No	477	NA
S44	UT to Kaglor Branch	P	No	1165	ADJ
S44	UT to Kaglor Branch	NO	No	24	ADJ
S44	UT to Kaglor Branch	NO	No	199	ADJ
S45	UT to Kaglor Branch	NO	No	14	ADJ

BMP ID	Description
1	Located in the northeast corner of the WIX plant parcel, there is a possible opportunity for a stormwater pond in this grassy area of approximately 1 acre.
2	Located behind parking lot of Curtis Wright Controls Inc; existing BMP here, opportunity for improvements possible, does not appear to hold water.

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- - - Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Roads
- Wetlands
- BMP Opportunities

Site 02



Location: Site 02 is located in Gaston County, NC, directly south of the I!85 and Bessemer City Rd intersection within the H2A corridor segment.

Site Description: Site 02 contains four stream tributaries and four wetland systems within forested parcels and mixed commercial parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input checked="" type="checkbox"/> Preservation	<input checked="" type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

Resource Summary: Total Stream Length: 5091 Linear Feet Wetlands: 0.52 Acres
 Number of BMPs: 1

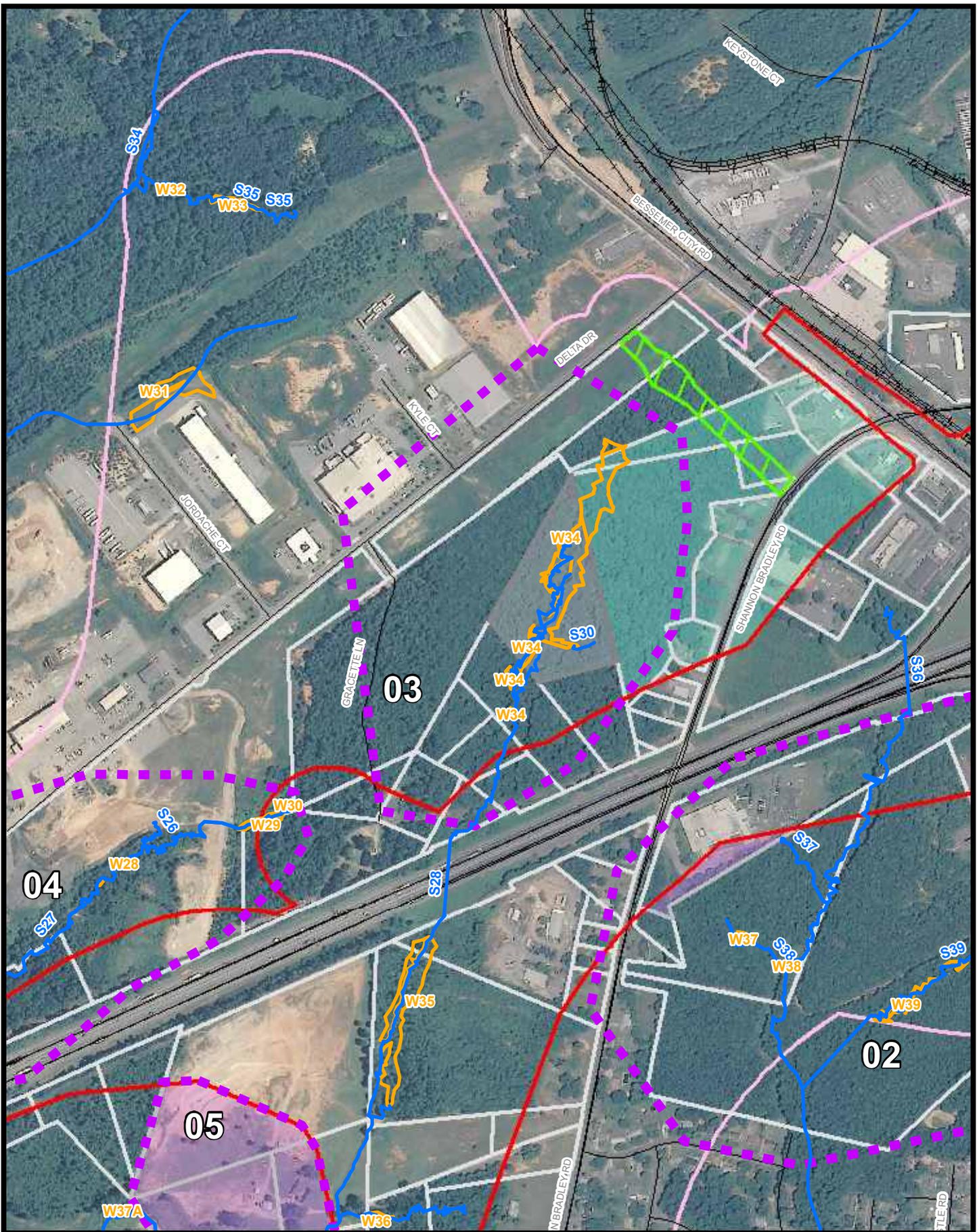
Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S36	UT to Crowders Creek	P	Yes	1647	ADJ
S36	UT to Crowders Creek	NHD	Yes	368	ADJ
S37	UT to Crowders Creek	P	Yes	424	ADJ
S37	UT to Crowders Creek	P	Yes	12	ADJ
S38	UT to Crowders Creek	P	Yes	422	ADJ
S39	UT to Crowders Creek	P	Yes	433	ADJ
S39	UT to Crowders Creek	P	Yes	1785	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W37			0.06	ADJ
W38			0.04	ADJ
W39			0.38	ADJ
W40			0.05	ADJ

BMP ID	Description
3	Located at the end of Myrtle Ave; stormwater flow from roof and parking lot, outflow pipe directed along property line to headwater stream. Potential for stormwater pond creation.

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- ▬ Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Traditional On-Site Mitigation
- Site Boundary
- ▬ Streams
- Wetlands
- Roads
- BMP Opportunities

Site 03



Location: Site 03 is located in Gaston County, NC, directly north of I!85 and west of Shannon Bradley Rd. within the H2A corridor segment.

Site Description: Site 03 contains two stream tributaries and two wetland systems within undeveloped, forested parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	Wetlands	
<input checked="" type="checkbox"/> Preservation	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Enhancement	<input type="checkbox"/> 303d Listed (2010)
<input type="checkbox"/> Restoration	<input type="checkbox"/> Restoration	<input checked="" type="checkbox"/> UT to 303d

Resource Summary: Total Stream Length: 1901 Linear Feet Wetlands: 1.83 Acres
 Number of BMPs: 0

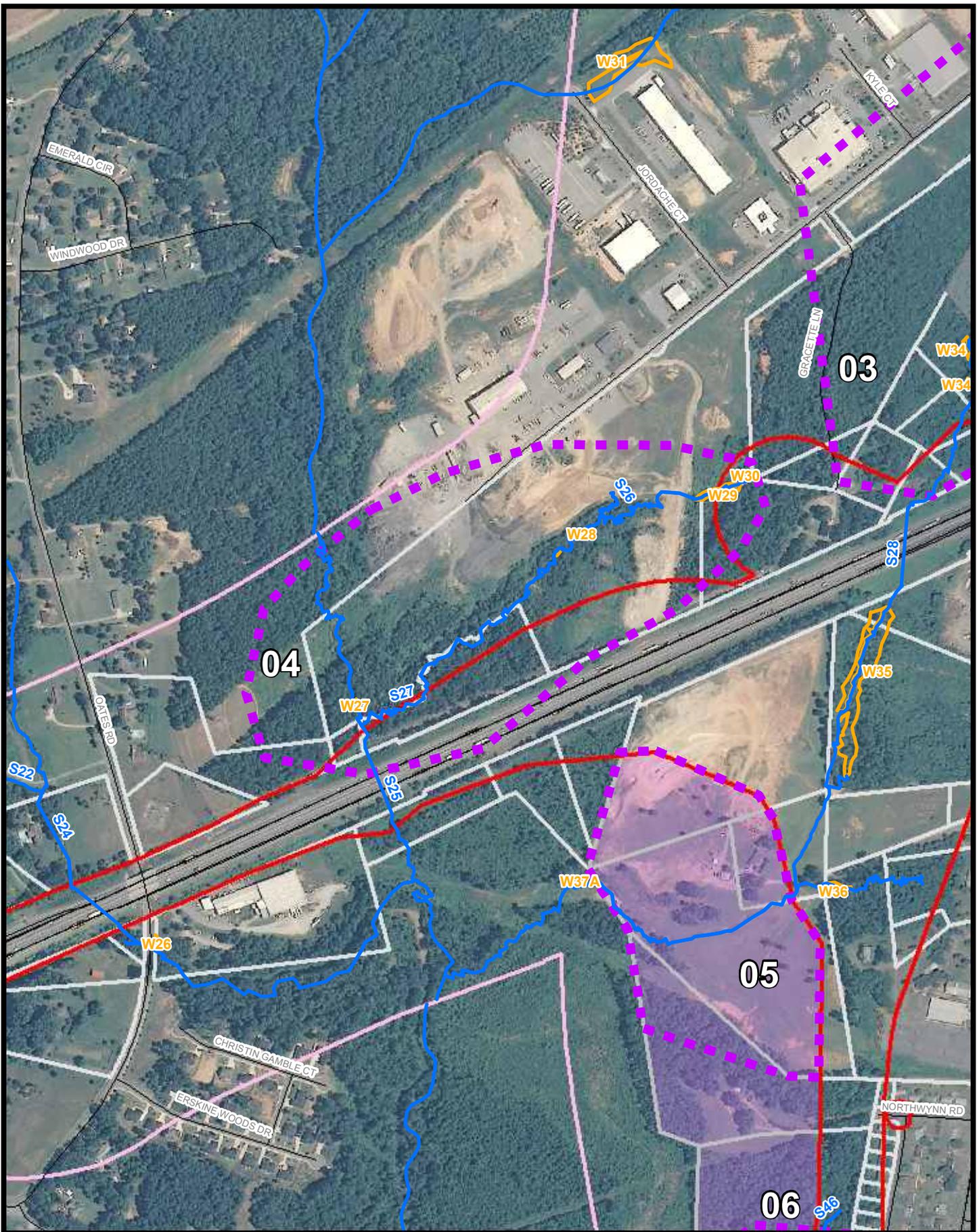
Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S28	UT to Oates Creek*	P	Yes	1035	NS
S28	UT to Oates Creek*	P	Yes	627	ADJ
S29	UT to Oates Creek*	I	Yes	239	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W34			1.00	NS
W34			0.73	LWA
W34			0.10	ADJ
W532			0.0007	LWA

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ

*Oates Creek is a tributary to Crowders Creek, which is 303d listed.



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

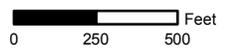
Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Wetlands
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Roads
- BMP Opportunities

Site 04



Location: Site 04 is located in Gaston County, NC, north of I!85 and east of Oates Rd. within the H2A corridor segment.

Site Description: Site 04 contains three stream tributaries and three wetland systems within forested and cleared, developed parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

Resource Summary: Total Stream Length: 3775 Linear Feet Wetlands: 0.07 Acres
 Number of BMPs: 0

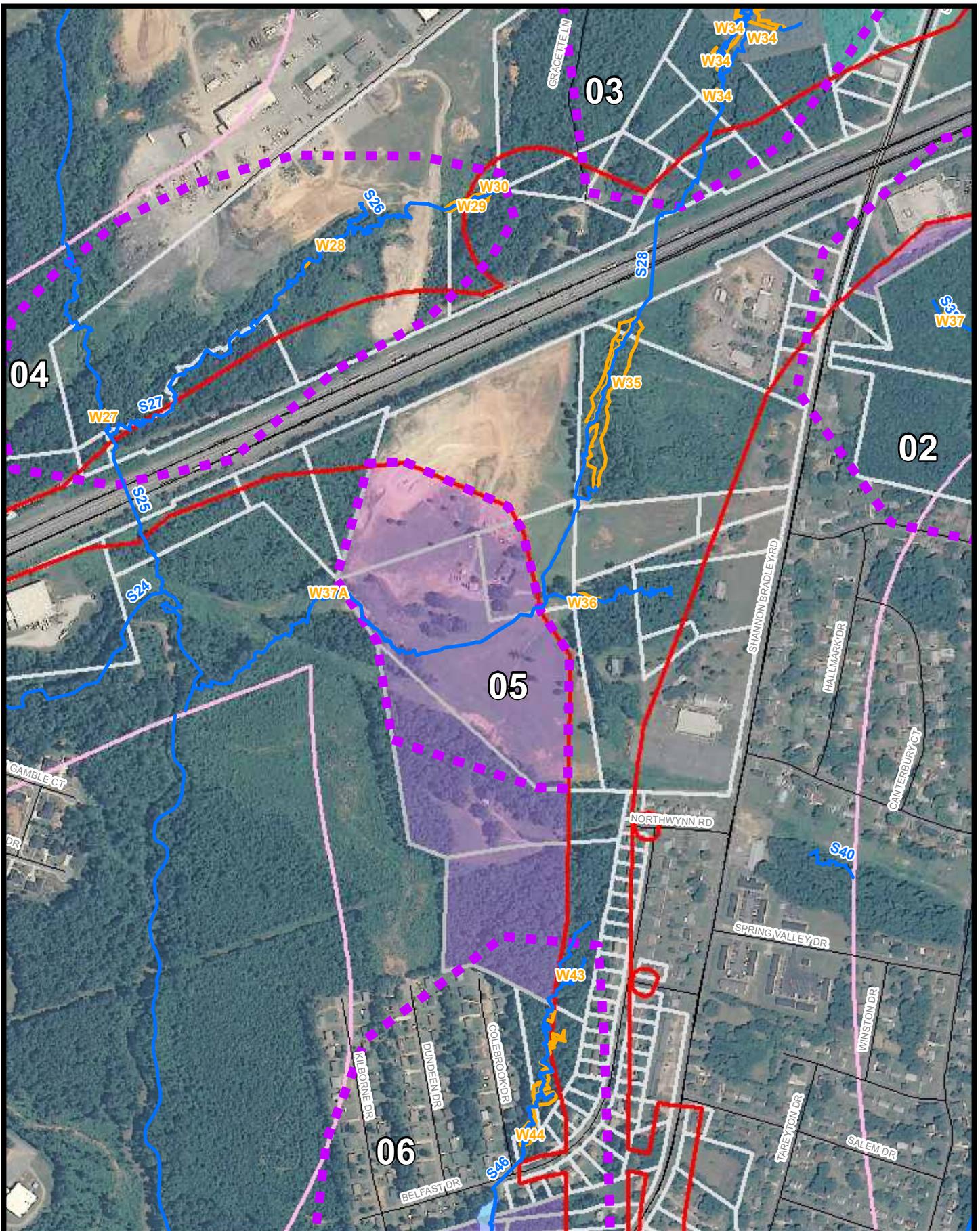
Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S25	UT to Oates Creek*	P	Yes	714	ADJ
S26	UT to Oates Creek*	I	Yes	241	ADJ
S27	UT to Oates Creek*	P	Yes	2565	ADJ
S27	UT to Oates Creek*	P	Yes	255	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W27			0.01	ADJ
W28			0.01	ADJ
W29			0.05	ADJ

Abbreviations			
P! Perennial	I! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ

*Oates Creek is a tributary to Crowders Creek, which is 303d listed.



GASTON EAST-WEST CONNECTOR
STIP PROJECT NO. U-3321

Stream and Wetland
Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Wetlands
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Roads
- BMP Opportunities

Site 05



Location: Site 05 is located in Gaston County, NC, south of I!85 and west of Shannon Bradley Rd. within the H2A corridor segment.

Site Description: Site 05 contains one stream tributary within residential, cleared developed parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	Wetlands	
<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Enhancement	<input type="checkbox"/> 303d Listed (2010)
<input type="checkbox"/> Restoration	<input type="checkbox"/> Restoration	<input checked="" type="checkbox"/> UT to 303d

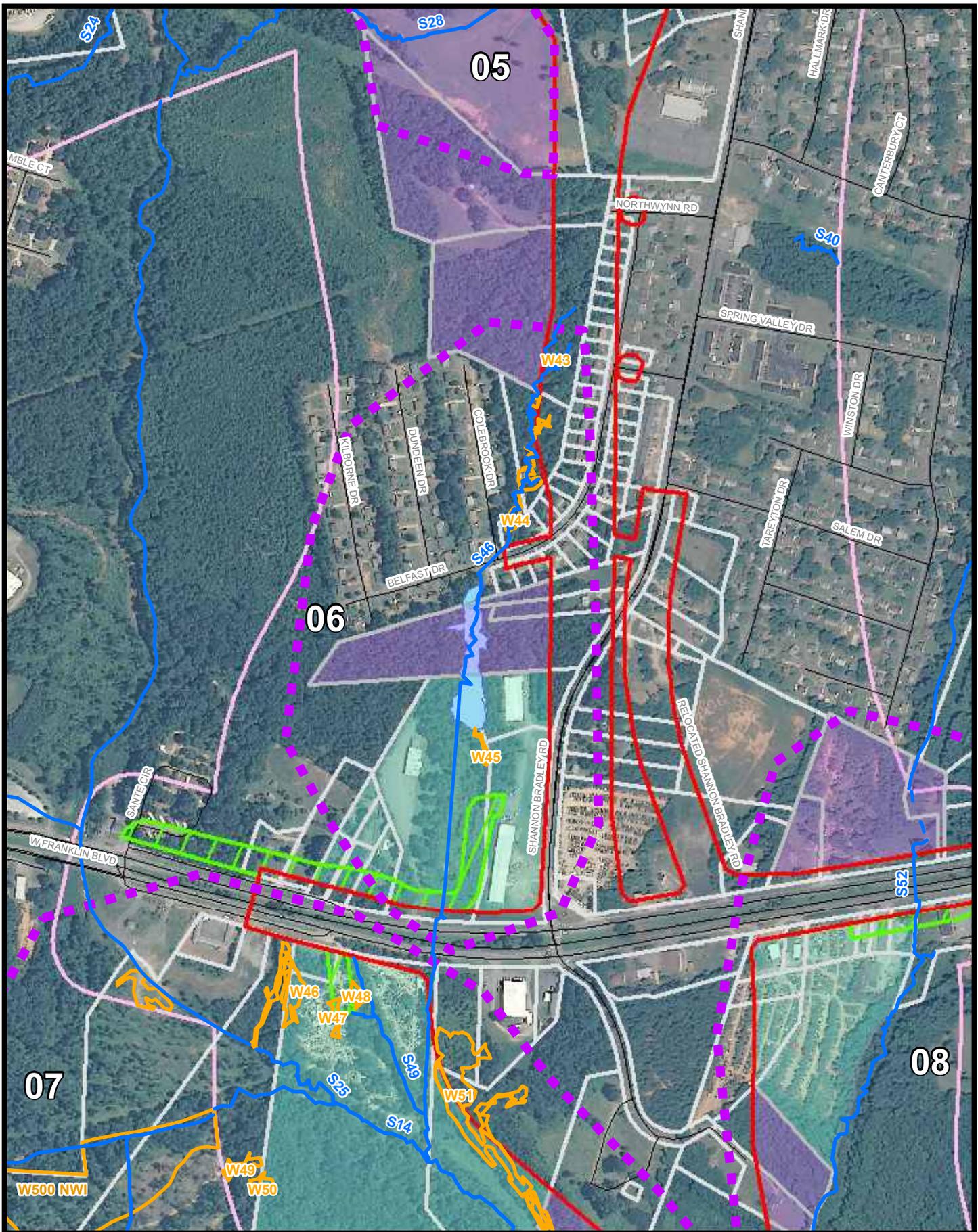
Resource Summary: Total Stream Length: 1168 Linear Feet Wetlands: 0 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S28	UT to Oates Creek*	P	Yes	1168	LL

Abbreviations			
P! Perennial	I! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ

*Oates Creek is a tributary to Crowders Creek, which is 303d listed.



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

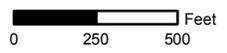
Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- ▬ Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Wetlands
- Streams
- Roads
- Site Boundary
- BMP Opportunities
- Traditional On-Site Mitigation

Site 06



Location: Site 06 is located in Gaston County, NC, north of W Franklin Blvd. and west of Shannon Bradley Rd. along the H2A/H3 corridor segment boundary.

Site Description: Site 06 contains two stream tributaries and two wetland systems within residential, commercial and forested parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

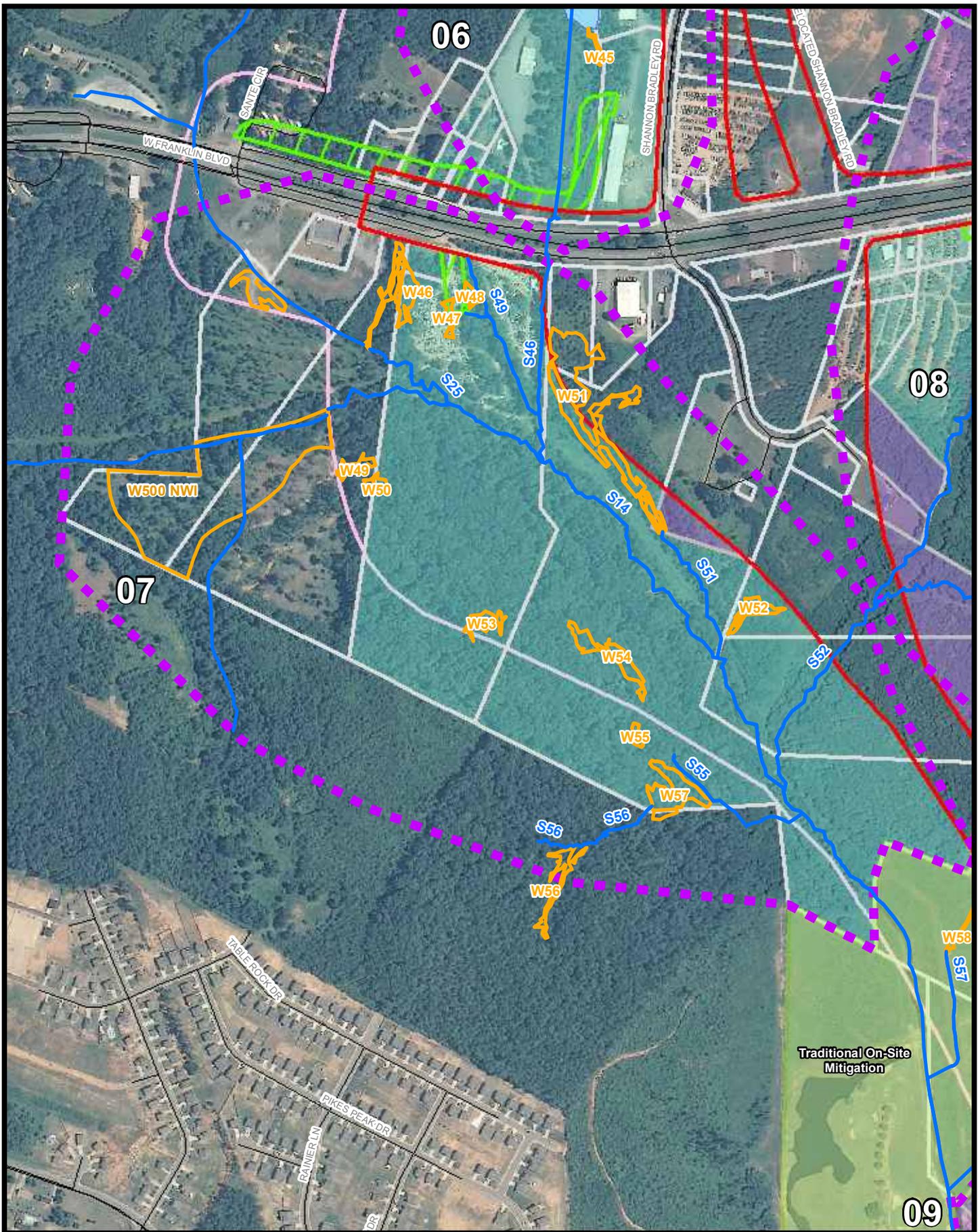
Resource Summary: Total Stream Length: 2800 Linear Feet Wetlands: 0.30 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S46	UT to Crowders Creek	P	Yes	198	NS
S46	UT to Crowders Creek	P	Yes	743	LWA
S46	UT to Crowders Creek	P (Res)	Yes	144	LWA
S46	UT to Crowders Creek	P	Yes	725	ADJ
S46	UT to Crowders Creek	P	Yes	166	ADJ
S46	UT to Crowders Creek	P	Yes	6	ADJ
S46	UT to Crowders Creek	P (Res)	Yes	128	LWA
S46	UT to Crowders Creek	P	Yes	122	LWA
S46	UT to Crowders Creek	P	Yes	63	LL
S46	UT to Crowders Creek	P (Res)	Yes	410	LL
S48	UT to Crowders Creek	I	Yes	95	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W44			0.26	ADJ
W45			0.04	LWA

Abbreviations			
P! Perennial	! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend	
	Right of Way
	Parcels
	Landlocked Parcels
	Landlocked with Access Parcels
	Ponds
	Non-Adjacent Parcels
	Study Area Corridor
	Access Road Right of Way
	Wetlands
	Streams
	Roads
	Traditional On-Site Mitigation
	Site Boundary
	BMP Opportunities

Site 07

0 250 500 Feet



Location: Site 07 is located in Gaston County, NC, south of W Franklin Blvd. and west of Shannon Bradley Rd. within the H3 corridor segment.

Site Description: Site 07 contains 10 stream tributaries and thirteen wetland systems, of which seven streams and eleven wetland systems are viable opportunities. The site is within residential, commercial and forested, undeveloped parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input checked="" type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

Resource Summary: Total Stream Length: 7836 Linear Feet Wetlands: 11.13 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S14	Crowders Creek	P	Yes	3604	LWA
S14	Crowders Creek	P	Yes	328	ADJ
S14	Crowders Creek	NHD	Yes	609	ADJ
S25	Bessemer Branch*	P	Yes	125	ADJ
S25	Bessemer Branch*	P	Yes	504	LWA
S25	Oates Creek*	NHD	Yes	4	ADJ
S46	UT to Crowders Creek	NO	Yes	768	LWA
S49	UT to Crowders Creek	NO	Yes	803	LWA
S50	UT to Crowders Creek	NO	Yes	117	LWA
S51	UT to Crowders Creek	P	Yes	694	LWA
S52	UT to Crowders Creek	P	Yes	719	LWA
S55	UT to Crowders Creek	P	Yes	351	LWA
S55	UT to Crowders Creek	P	Yes	127	LWA
S56	UT to Crowders Creek	P	Yes	26	LWA
S500	UT to Crowders Creek	NHD	Yes	745	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W46			0.26	ADJ
W46			0.31	LWA
W47		NO	0.11	LWA
W48		NO	0.09	LWA
W49			0.16	ADJ
W50			0.04	ADJ
W50			0.10	LWA
W51			0.84	LWA
W51			0.01	ADJ
W51			0.05	LL
W52			0.23	LWA
W53			0.20	LWA
W54			0.48	LWA
W55			0.07	LWA
W57			0.68	LWA
W533			0.35	ADJ
W500 NWI	PFO1A		7.35	ADJ

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ

*Bessemer Branch and Oates Creek are tributaries of Crowders Creek, which is 303d listed.

Location: Site 08 is located in Gaston County, NC, along I!85 east of Shannon Bradley Rd. within the H3 corridor segment.

Site Description: Site 08 contains three stream tributaries within forested, commercial and residential parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

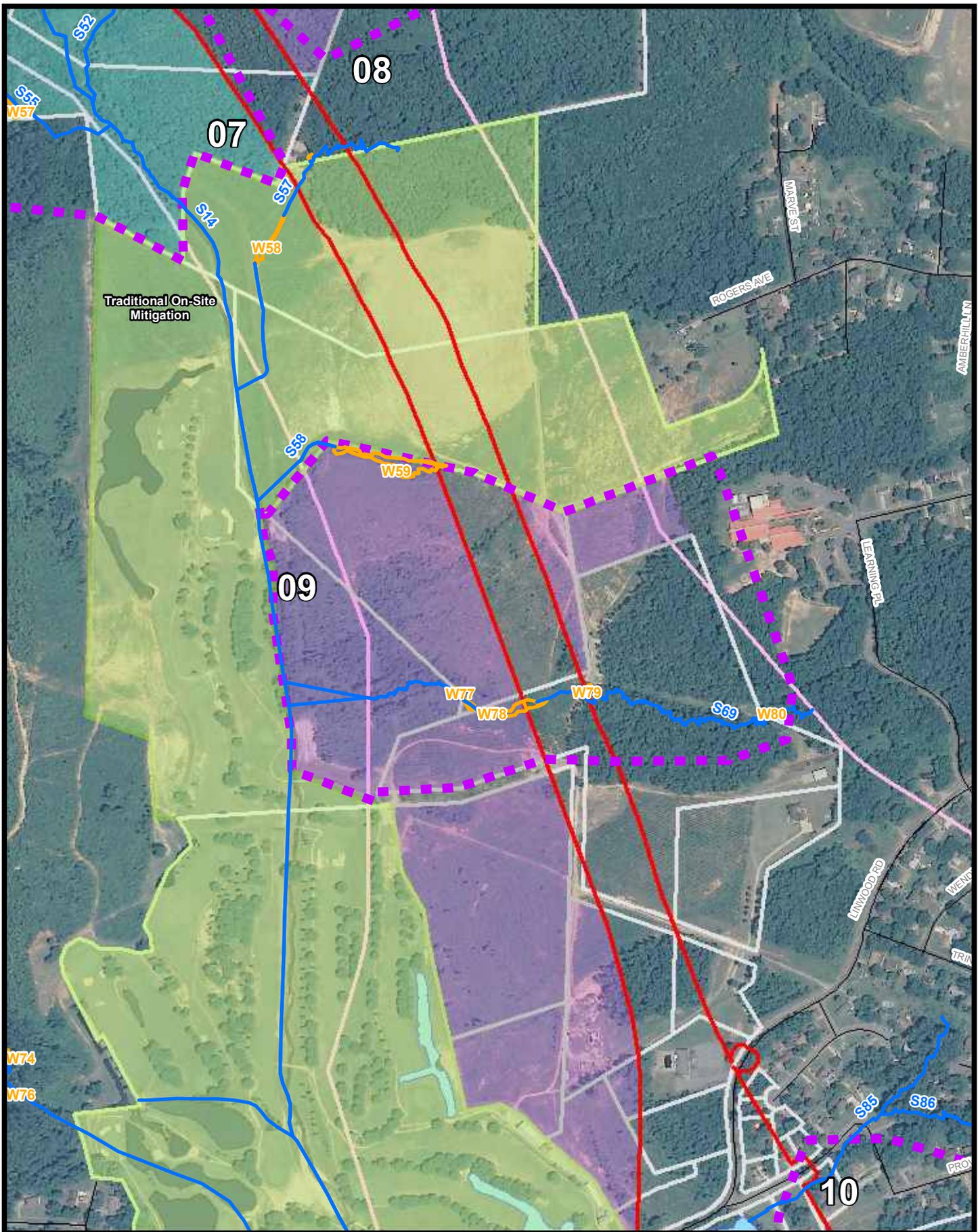
Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

Resource Summary: Total Stream Length: 3929 Linear Feet Wetlands: 0 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S52	UT to Crowders Creek	P	Yes	550	NA
S52	UT to Crowders Creek	P	Yes	234	NA
S52	UT to Crowders Creek	P	Yes	242	NA
S52	UT to Crowders Creek	P	Yes	172	NA
S52	UT to Crowders Creek	P	Yes	168	NA
S52	UT to Crowders Creek	P	Yes	506	ADJ
S52	UT to Crowders Creek	P	Yes	107	LL
S52	UT to Crowders Creek	P	Yes	187	LL
S52	UT to Crowders Creek	P	Yes	44	LL
S52	UT to Crowders Creek	P	Yes	47	LL
S53	UT to Crowders Creek	P	Yes	82	ADJ
S53	UT to Crowders Creek	I	Yes	472	ADJ
S53	UT to Crowders Creek	P	Yes	90	ADJ
S54	UT to Crowders Creek	P	Yes	326	NS
S54	UT to Crowders Creek	NO	Yes	171	ADJ
S54	UT to Crowders Creek	P	Yes	702	LL

Abbreviations			
P! Perennial	I! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

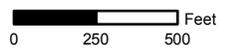
Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Right of Way
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Site Boundary
- Streams
- Wetlands
- Roads
- BMP Opportunities
- Ponds
- Non-Adjacent Parcels
- Traditional On-Site Mitigation

Site 09



Location: Site 09 is located in Gaston County, NC, northwest of the intersection of Learning Pl. and Linwood Rd. within the H3 corridor segment.

Site Description: Site 09 contains two stream tributaries and five wetland systems within forested, agricultural and otherwise undeveloped parcels.

Parcel Types: Landlocked Landlocked With Access Adjacent Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> 303d Listed (2010)
		<input type="checkbox"/> Restoration	<input checked="" type="checkbox"/> UT to 303d

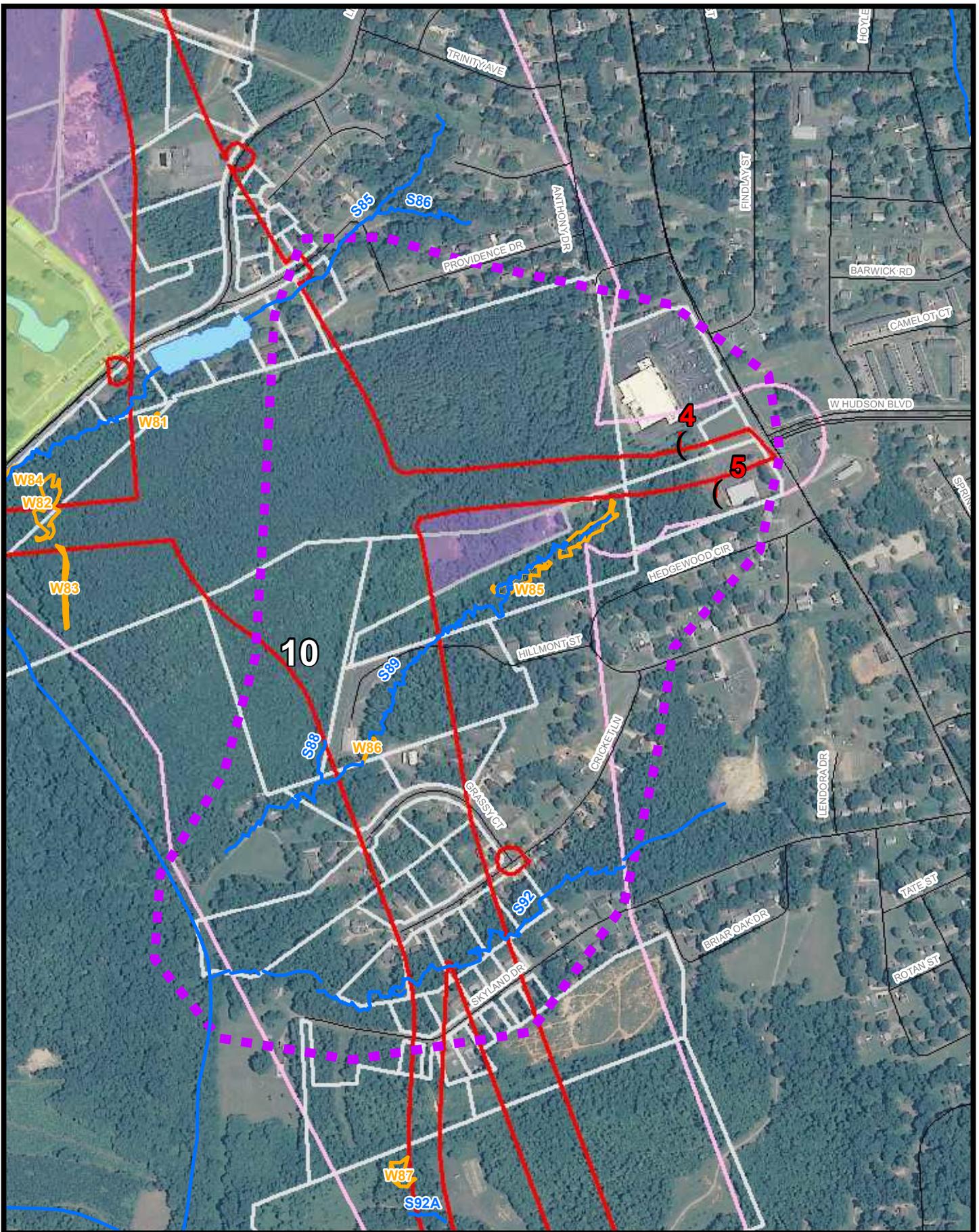
Resource Summary: Total Stream Length: 2320 Linear Feet Wetlands: 0.61 Acres
Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S58	UT to Crowders Creek	P	Yes	50	LL
S69	UT to Crowders Creek	P	Yes	1280	ADJ
S69	UT to Crowders Creek	P	Yes	636	LL
S69	UT to Crowders Creek	P	Yes	354	LL

Wetland ID	Attribute	Type	Area (AC)	Location
W58			0.05	ADJ
W59			0.37	LL
W77			0.01	LL
W78			0.17	LL
W79			0.01	ADJ

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
STIP PROJECT NO. U-3321

Stream and Wetland
Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

Right of Way

Parcels

Landlocked Parcels

Landlocked with Access Parcels

Ponds

Non-Adjacent Parcels

Study Area Corridor

Access Road Right of Way

Wetlands

Site Boundary

Streams

Roads

BMP Opportunities

Site 10



Location: Site 10 is located in Gaston County, NC, west of the S Myrtle School Rd and W Hudson Blvd intersection within the H3 corridor segment.

Site Description: Site 10 contains seven stream tributaries and two wetland systems, of which five streams and both wetlands are viable opportunities. There are also two BMP opportunities within this system. The system is within residential and forested parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input checked="" type="checkbox"/> Preservation	<input checked="" type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

Resource Summary: Total Stream Length: 2959 Linear Feet Wetlands: 0.50 Acres
 Number of BMPs: 2

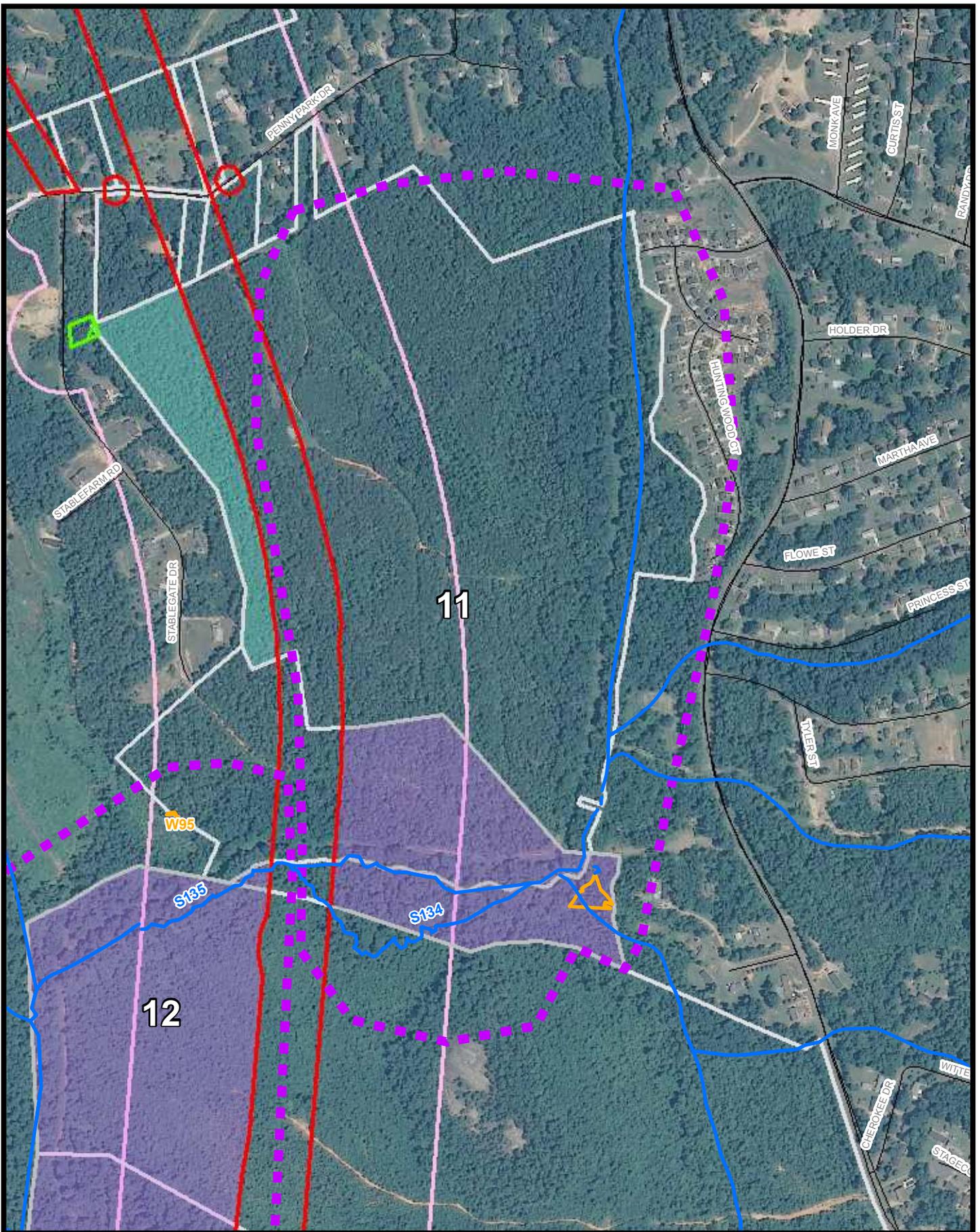
Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S14	Crowders Creek	NO	Yes	197	ADJ
S85	UT to Crowders Creek	NO	Yes	168	ADJ
S88	UT to Crowders Creek	I	Yes	200	ADJ
S89	UT to Crowders Creek	P	Yes	1343	ADJ
S89	UT to Crowders Creek	P	Yes	313	ADJ
S89	UT to Crowders Creek	I	Yes	182	ADJ
S90	UT to Crowders Creek	P	Yes	78	ADJ
S91	UT to Crowders Creek	P	Yes	76	ADJ
S92	UT to Crowders Creek	P	Yes	288	ADJ
S92	UT to Crowders Creek	NO	Yes	16	ADJ
S92	UT to Crowders Creek	P	Yes	340	ADJ
S92	UT to Crowders Creek	P	Yes	139	NA
S92	UT to Crowders Creek	NO	Yes	24	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W85			0.35	ADJ
W534			0.15	ADJ

BMP ID	Description
4	Located south of the Bi!Lo Supermarket, the existing BMP here has potential to be maintained properly to increase effectiveness.
5	Located west of the Family Dollar, the existing BMP here could be improved by ensuring the flow is restricted and the water is held for a longer time period. Additionally, the outflow could be better managed to reduce erosion.

Abbreviations			
P! Perennial	! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Wetlands
- Roads
- Site Boundary
- Streams
- Wetlands
- Roads
- BMP Opportunities
- Traditional On-Site Mitigation

Site 11



Location: Site 11 is located in Gaston County, NC, southeast of the Penny Park Dr. and Stablegate Dr. intersection within the H3 corridor segment.

Site Description: Site 11 contains four stream tributaries and one wetland system within forested, undeveloped parcels.

Parcel Types: Landlocked Landlocked With Access Adjacent Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	<input checked="" type="checkbox"/> Wetlands	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input checked="" type="checkbox"/> Preservation	<input checked="" type="checkbox"/> 303d Listed (2010)
		<input type="checkbox"/> Enhancement	<input checked="" type="checkbox"/> UT to 303d
		<input type="checkbox"/> Restoration	

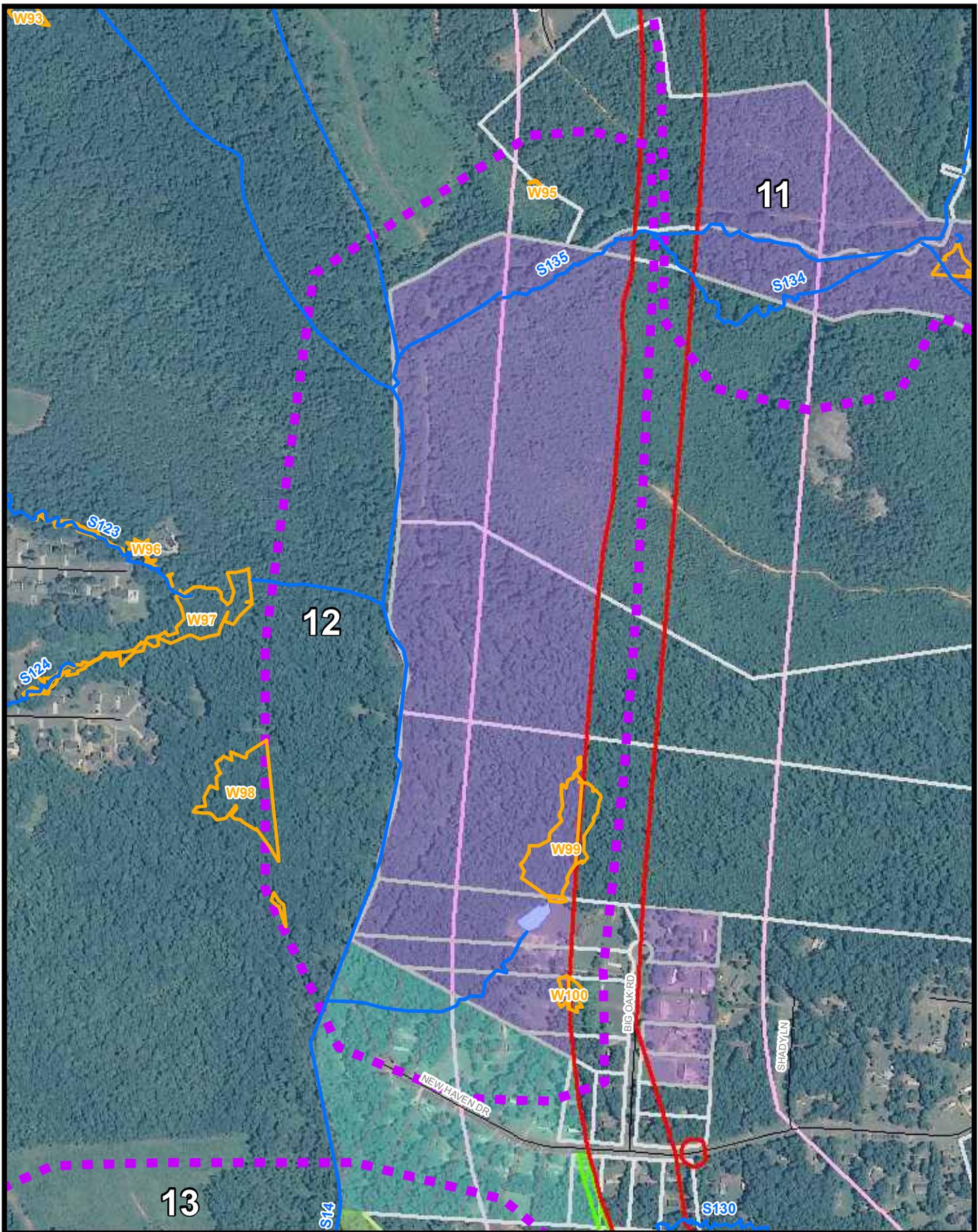
Resource Summary: Total Stream Length: 5385 Linear Feet Wetlands: 0.32 Acres
Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S134	UT to Blackwood Creek	P	Yes	701	ADJ
S134	UT to Blackwood Creek	P	Yes	214	LL
S134	UT to Blackwood Creek	P	Yes	402	ADJ
S135	Blackwood Creek	P	Yes	290	LL
S135	Blackwood Creek	P	Yes	644	LL
S135	Blackwood Creek	P	Yes	238	NA
S135	Blackwood Creek	P	Yes	372	LL
S135	Blackwood Creek	NHD	Yes	2439	NA
S501	UT to Blackwood Creek	NHD	Yes	23	NA
S512	UT to Blackwood Creek	I	Yes	62	LL

Wetland ID	Attribute	Type	Area (AC)	Location
W537			0.32	LL

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

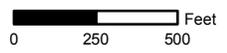
Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Wetlands
- Roads
- BMP Opportunities

Site 12



Location: Site 12 is located in Gaston County, NC, northwest of the New Haven Dr. and Big Oak Rd. intersection along the H3 and J4a corridor segment border.

Site Description: Site 12 contains three stream tributaries and three wetland systems within forested, undeveloped and residential parcels.

Parcel Types: Landlocked Landlocked With Access Adjacent Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input checked="" type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

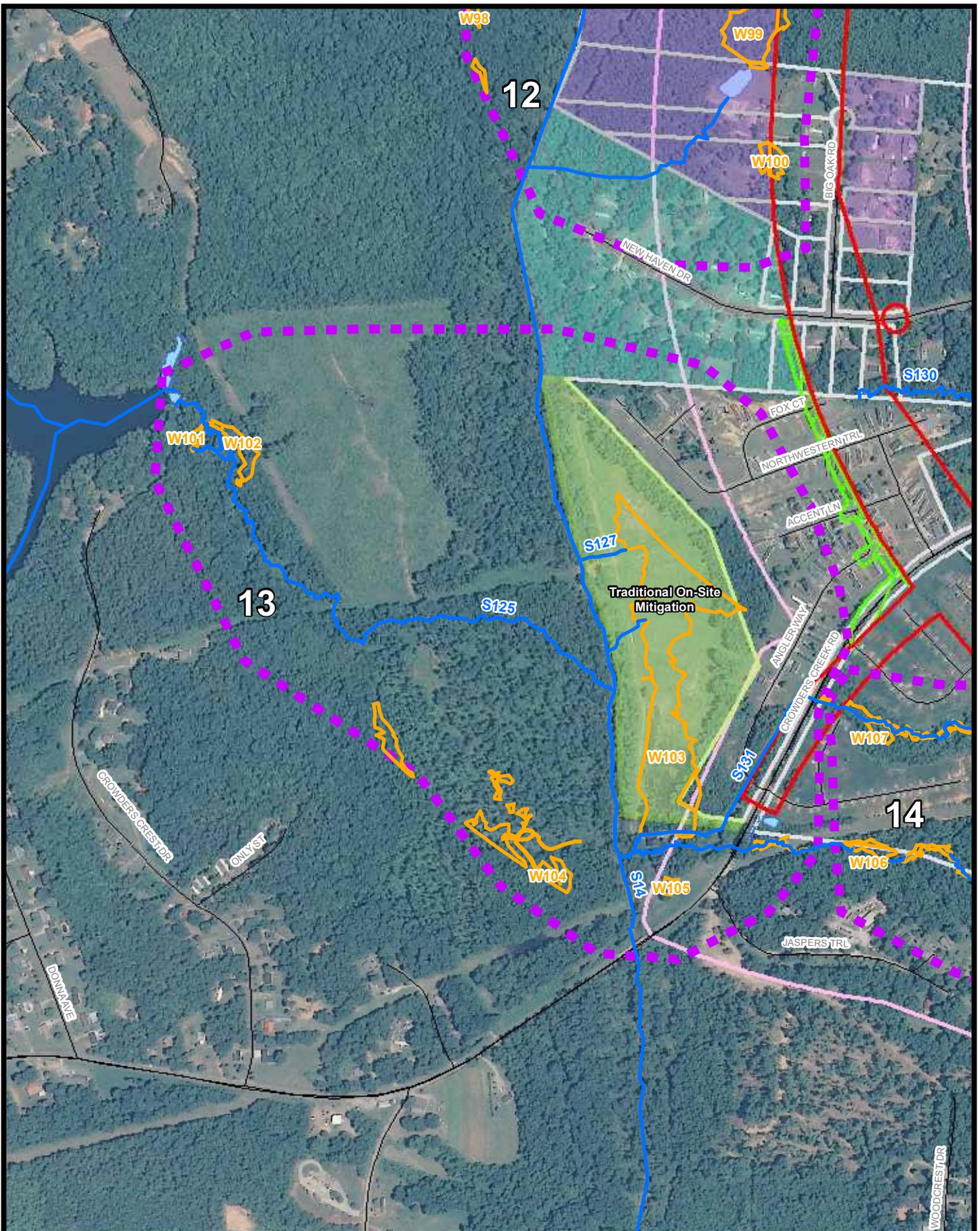
Resource Summary: Total Stream Length: 3589 Linear Feet Wetlands: 1.85 Acres
Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S14	Crowders Creek	NHD	Yes	1278	LLA
S129	UT to Crowders Creek	P	Yes	516	LL
S129	UT to Crowders Creek	P	Yes	569	ADJ
S135	Blackwood Creek	P	Yes	533	LL
S135	Blackwood Creek	P	Yes	169	LL
S135	Blackwood Creek	NHD	Yes	524	LL

Wetland ID	Attribute	Type	Area (AC)	Location
W95			0.002	ADJ
W99			1.69	LL
W99			0.04	LL
W100			0.12	LL

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Wetlands
- Roads
- BMP Opportunities

Site 13



Location: Site 13 is located in Gaston County, NC, northeast of the Crowders Creek Rd. and Crowders Crest Dr. intersection within the J4a corridor segment.

Site Description: Site 13 contains six stream tributaries and one wetland system within forested and pastureland parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input checked="" type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

Resource Summary: Total Stream Length: 7956 Linear Feet Wetlands: 0.21 Acres
 Number of BMPs: 0

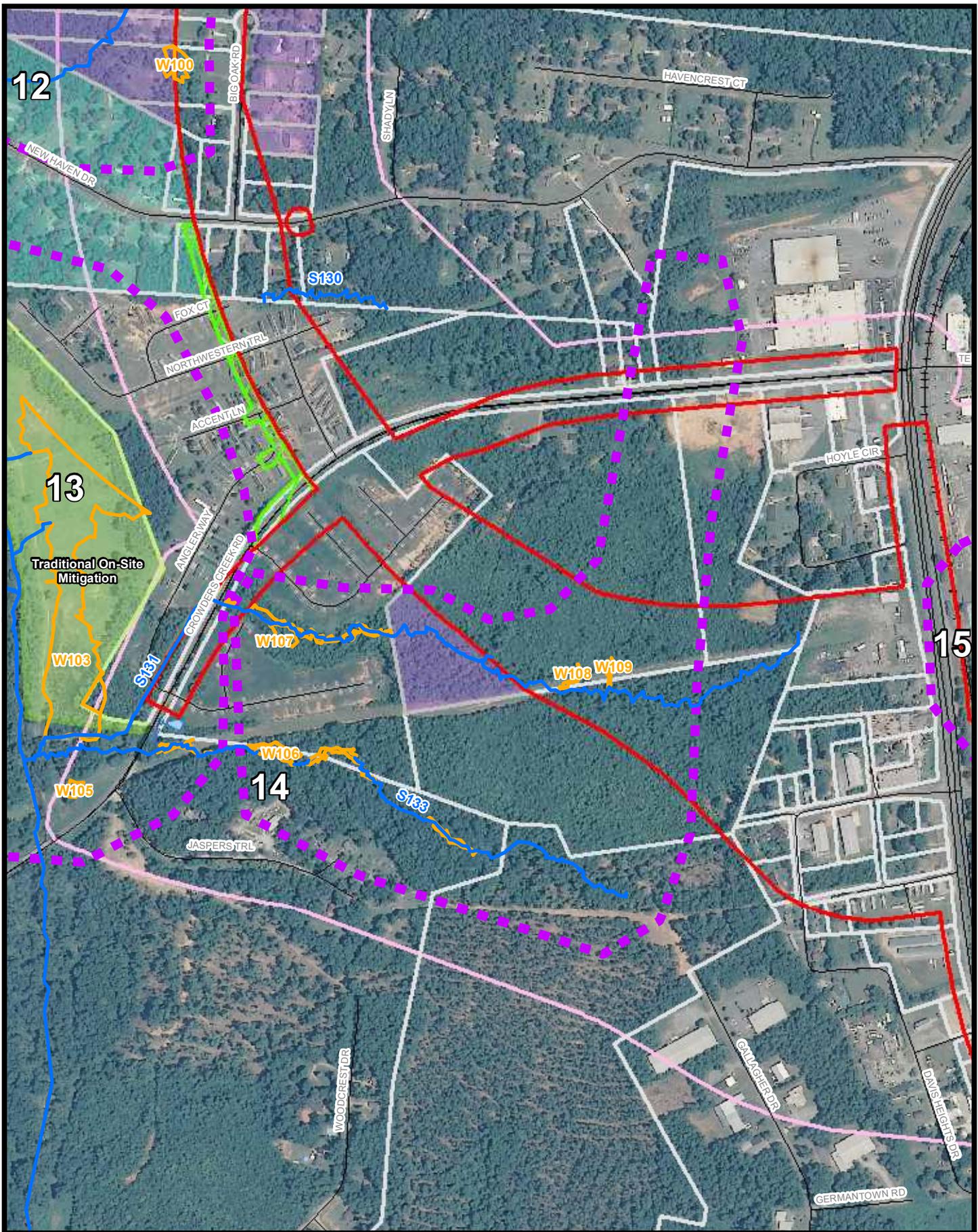
Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S14	Crowders Creek	P	Yes	2626	NS
S125	Ferguson Branch*	P	Yes	3385	NS
S126	UT to Crowders Creek	P	Yes	126	NS
S127	UT to Crowders Creek	P	Yes	9	NS
S131	UT to Crowders Creek	P	Yes	499	NS
S131	UT to Crowders Creek	P	Yes	455	ADJ
S133	UT to Crowders Creek	P	Yes	856	NS

Wetland ID	Attribute	Type	Area (AC)	Location
W103			0.21	ADJ

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ

*Ferguson Branch is a tributary to Crowders Creek, which is 303d listed.



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- ▭ Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Wetlands
- Roads
- (BMP Opportunities

Site 14



Location: Site 14 is located in Gaston County, NC, southwest of the Crowders Creek Rd. and US!321 intersection within the J4a corridor segment.

Site Description: Site 14 contains three stream tributaries and two wetland systems within forested and residential parcels.

Parcel Types: Landlocked Landlocked With Access Adjacent Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> 303d Listed (2010)
		<input type="checkbox"/> Restoration	<input checked="" type="checkbox"/> UT to 303d

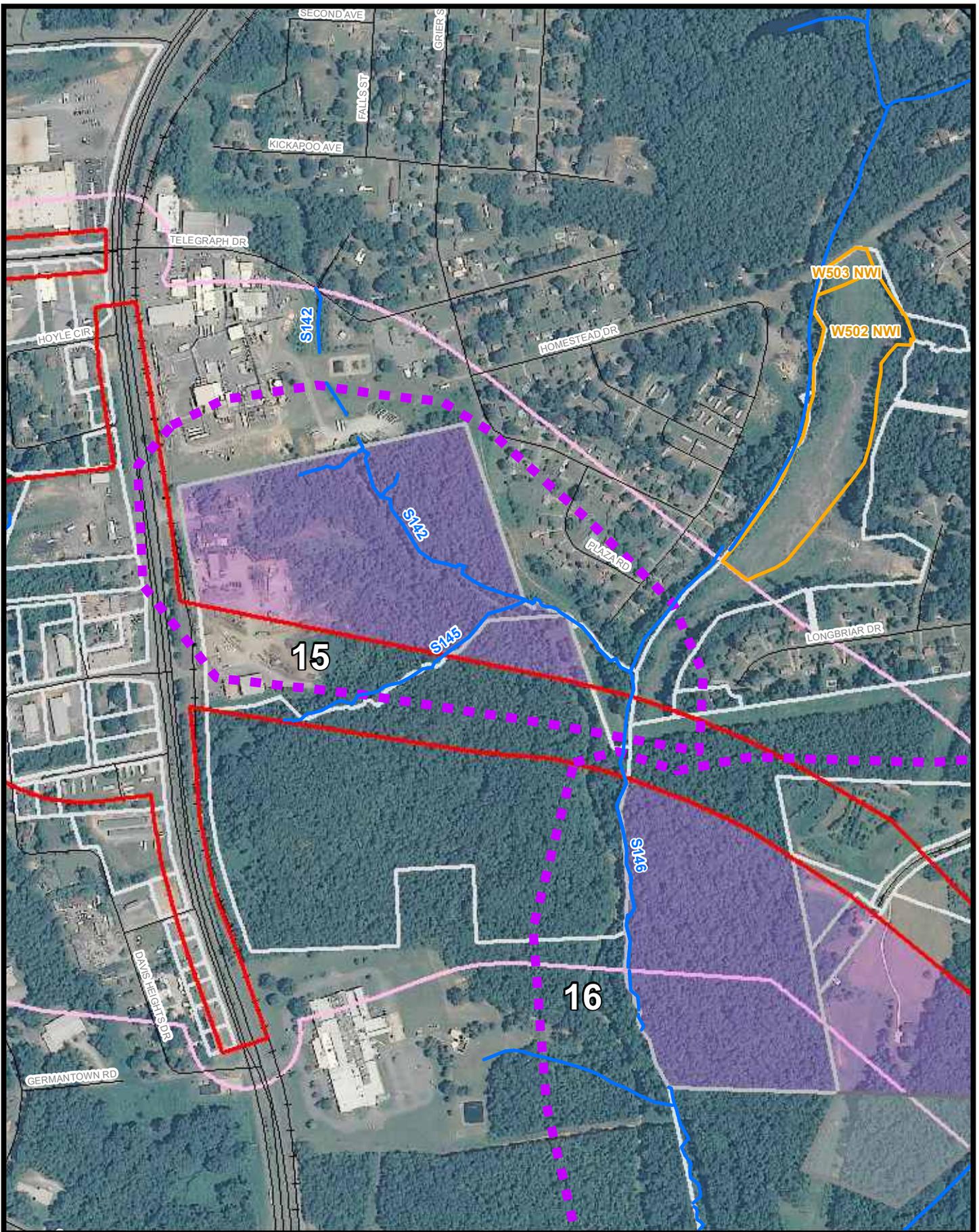
Resource Summary: Total Stream Length: 2523 Linear Feet Wetlands: 0.56 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S131	UT to Crowders Creek	P	Yes	851	ADJ
S131	UT to Crowders Creek	P	Yes	784	LL
S132	UT to Crowders Creek	I	Yes	26	LL
S133	UT to Crowders Creek	P	Yes	84	ADJ
S133	UT to Crowders Creek	P	Yes	22	ADJ
S133	UT to Crowders Creek	P	Yes	756	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W106			0.13	ADJ
W107			0.43	ADJ

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Wetlands
- Roads
- BMP Opportunities

Site 15



Location: Site 15 is located in Gaston County, NC, southeast of the US!321 and Telegraph Dr. intersection along the J4a and J4b corridor segment boundary.

Site Description: Site 15 contains five stream tributaries within forested and mixed commercial parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

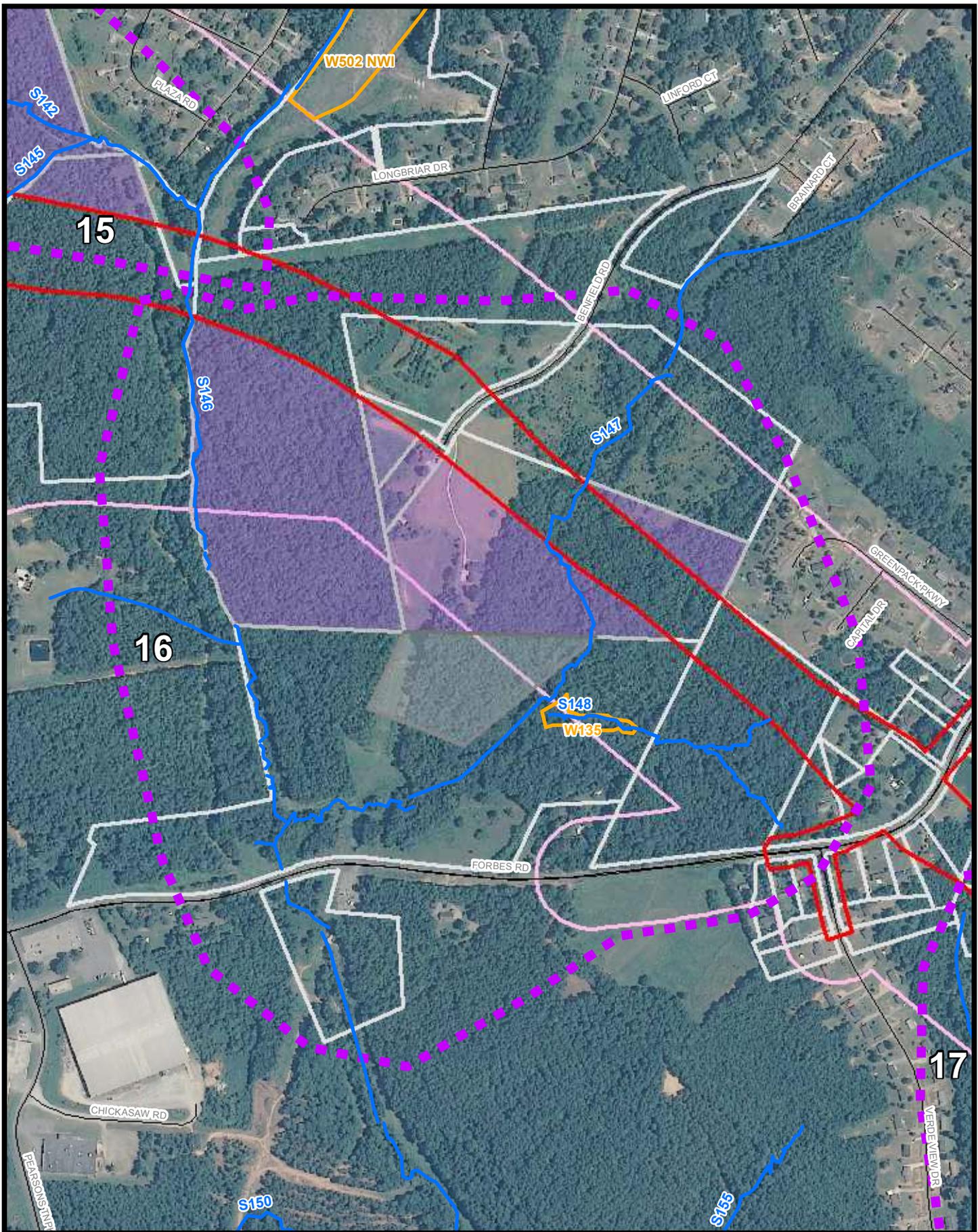
Streams	Wetlands	
<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Enhancement	<input type="checkbox"/> 303d Listed (2010)
<input type="checkbox"/> Restoration	<input type="checkbox"/> Restoration	<input checked="" type="checkbox"/> UT to 303d

Resource Summary: Total Stream Length: 2633 Linear Feet Wetlands: 0 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S142	UT to Crowders Creek	P	Yes	358	NA
S142	UT to Crowders Creek	P	Yes	1196	LL
S142	UT to Crowders Creek	P	Yes	91	LLN
S143	UT to Crowders Creek	I	Yes	284	LL
S144	UT to Crowders Creek	P	Yes	133	LL
S145	UT to Crowders Creek	I	Yes	440	LL
S146	UT to Crowders Creek	P	Yes	131	ADJ

Abbreviations			
PR! Perennial	IT! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Wetlands
- Roads
- BMP Opportunities

Site 16



Location: Site 16 is located in Gaston County, NC, northwest of the Forbes Rd. and Verde View Dr. intersection along the J4b and J4c corridor segment.

Site Description: Site 16 contains four stream tributaries and one wetland system of which only three streams are viable opportunities. This site is within forested and residential parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> Preservation	<input type="checkbox"/> BMP
	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Enhancement	<input type="checkbox"/> 303d Listed (2010)
	<input type="checkbox"/> Restoration	<input type="checkbox"/> Restoration	<input checked="" type="checkbox"/> UT to 303d

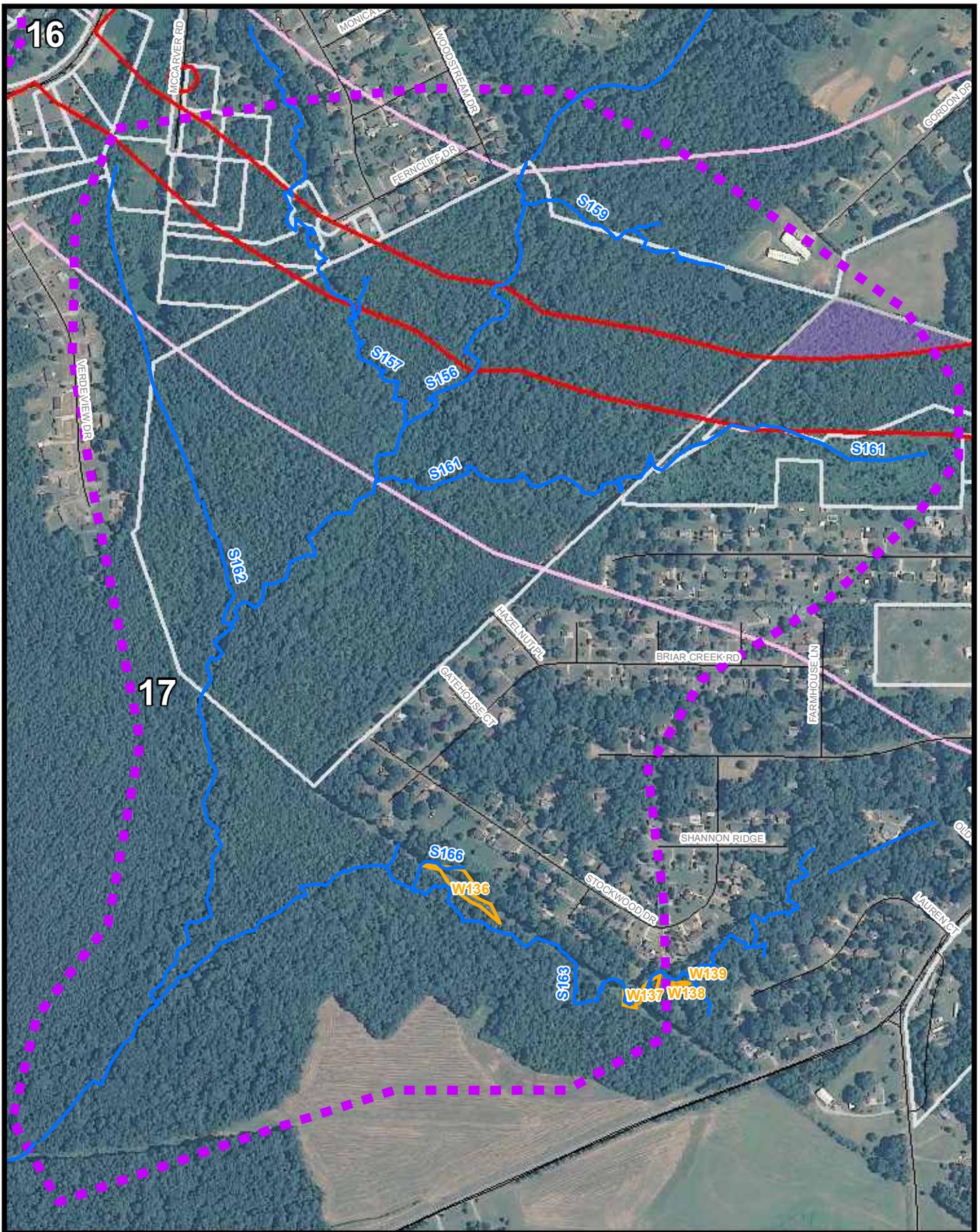
Resource Summary: Total Stream Length: 5824 Linear Feet Wetlands: 0 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S146	UT to Crowders Creek	P	Yes	211	LLN
S146	UT to Crowders Creek	P	Yes	703	LLA
S146	UT to Crowders Creek	P	Yes	880	NA
S146	UT to Crowders Creek	P	Yes	381	ADJ
S146	UT to Crowders Creek	P	Yes	313	ADJ
S146	UT to Crowders Creek	P	Yes	270	LLN
S146	UT to Crowders Creek	NHD	Yes	445	ADJ
S147	UT to Crowders Creek	NO	Yes	700	ADJ
S147	UT to Crowders Creek	P	Yes	422	ADJ
S147	UT to Crowders Creek	NO	Yes	18	LL
S147	UT to Crowders Creek	P	Yes	531	LL
S147	UT to Crowders Creek	P	Yes	850	ADJ
S147	UT to Crowders Creek	NHD	Yes	728	ADJ
S147	UT to Crowders Creek	NO	Yes	102	ADJ
S148	UT to Crowders Creek	NO	Yes	1773	ADJ
S345	UT to Crowders Creek	I	Yes	90	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W135		NO	0.68	ADJ

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend	
	Right of Way
	Parcels
	Landlocked Parcels
	Landlocked with Access Parcels
	Ponds
	Non-Adjacent Parcels
	Study Area Corridor
	Access Road Right of Way
	Traditional On-Site Mitigation
	Streams
	Wetlands
	Roads
	BMP Opportunities
	Site Boundary

Site 17

0 250 500 Feet



Location: Site 17 is located in Gaston County, NC, north of the Briar Creek Rd. and Stockwood Dr. intersection between two residential neighborhoods within the J2c corridor segment.

Site Description: Site 17 contains six stream tributaries within forested, undeveloped and residential parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

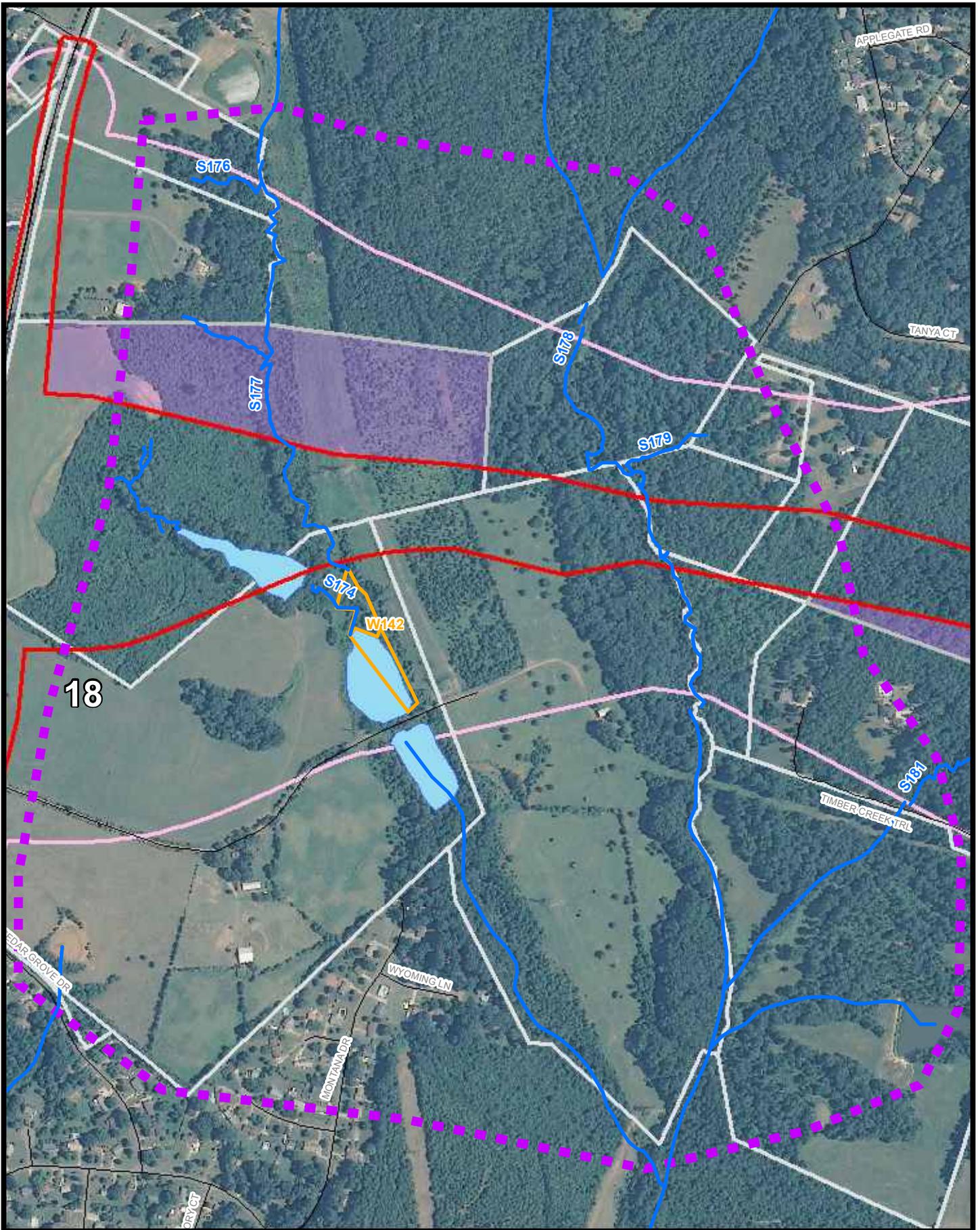
Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Preservation	<input type="checkbox"/> 303d Listed (2010)
		<input type="checkbox"/> Enhancement	<input checked="" type="checkbox"/> UT to 303d
		<input type="checkbox"/> Restoration	

Resource Summary: Total Stream Length: 8663 Linear Feet Wetlands: 0 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S156	UT to Crowders Creek	P	Yes	614	ADJ
S156	UT to Crowders Creek	P	Yes	2404	ADJ
S157	UT to Crowders Creek	NO	Yes	21	ADJ
S157	UT to Crowders Creek	P	Yes	906	ADJ
S158	UT to Crowders Creek	I	Yes	50	ADJ
S159	UT to Crowders Creek	I	Yes	586	ADJ
S161	UT to Crowders Creek	I	Yes	471	ADJ
S161	UT to Crowders Creek	P	Yes	2414	ADJ
S162	UT to Crowders Creek	P	Yes	624	ADJ
S162	UT to Crowders Creek	NHD	Yes	594	ADJ

Abbreviations			
P! Perennial	I! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

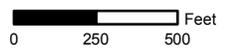
Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Wetlands
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Roads
- BMP Opportunities

Site 18



Location: Site 18 is located in Gaston County, NC, east of the Cedar Grove Dr. and Robinson Rd. intersection within the J2d corridor segment.

Site Description: Site 18 contains ten stream tributaries, eight of which are viable and one wetland system within forested, agricultural and residential parcels.

Parcel Types: Landlocked Landlocked With Access Adjacent Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

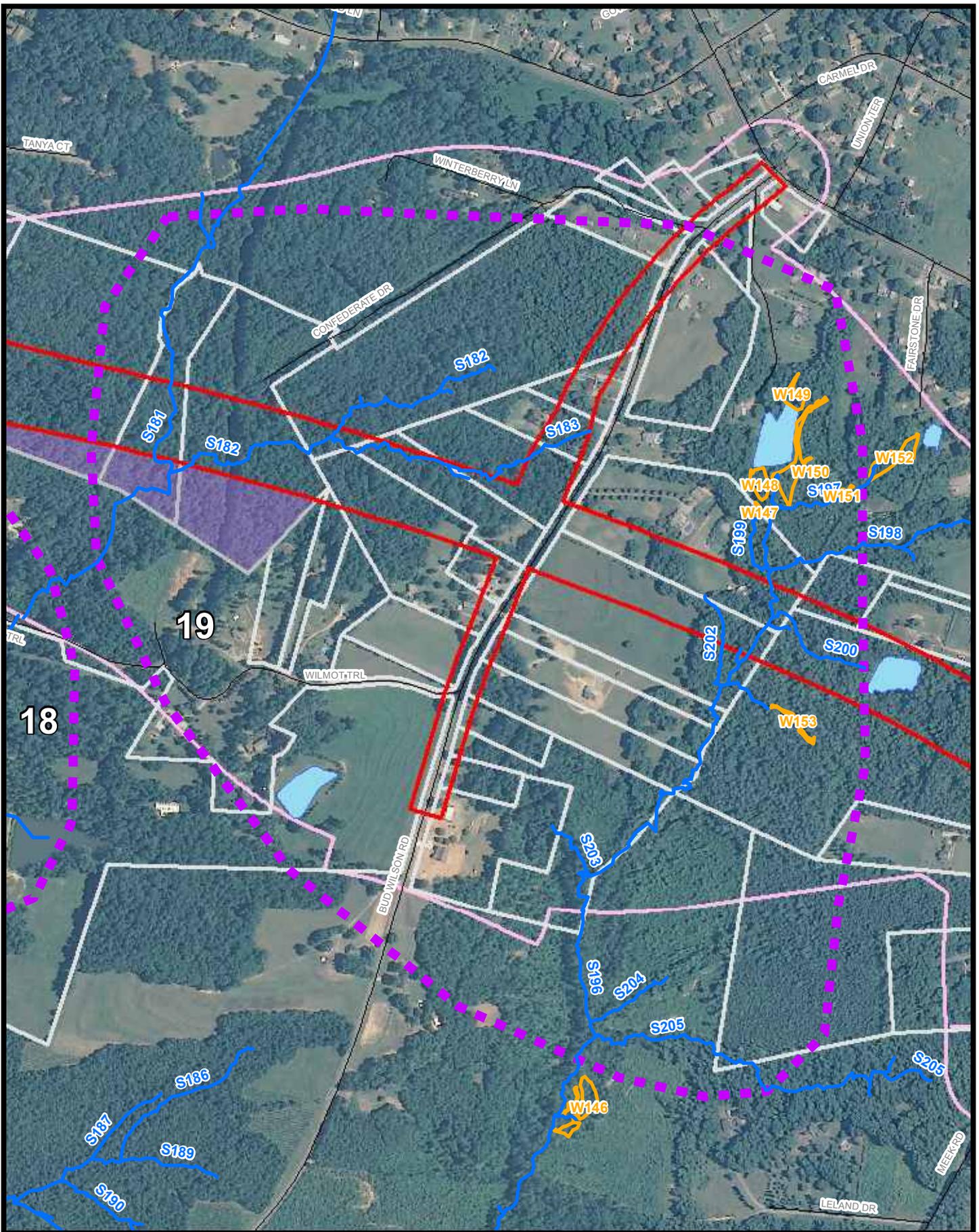
Resource Summary: Total Stream Length: 8851 Linear Feet Wetlands: 0.62 Acres
Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S171	UT to Crowders Creek	NO	Yes	220	ADJ
S174	UT to Crowders Creek	P	Yes	281	ADJ
S175	UT to Crowders Creek	P	Yes	74	ADJ
S175	UT to Crowders Creek	P	Yes	387	LL
S176	UT to Crowders Creek	I	Yes	405	ADJ
S177	UT to Crowders Creek	P	Yes	317	ADJ
S177	UT to Crowders Creek	P	Yes	205	ADJ
S177	UT to Crowders Creek	P	Yes	646	LL
S177	UT to Crowders Creek	NHD	Yes	1892	ADJ
S178	UT to Crowders Creek	NO	Yes	1247	ADJ
S178	UT to Crowders Creek	P	Yes	234	ADJ
S178	UT to Crowders Creek	P	Yes	528	ADJ
S178	UT to Crowders Creek	NHD	Yes	16	ADJ
S178	UT to Crowders Creek	NHD	Yes	1574	ADJ
S178	UT to Crowders Creek	NO	Yes	93	ADJ
S179	UT to Crowders Creek	NO	Yes	404	ADJ
S181	UT to Crowders Creek	NHD	Yes	50	ADJ
S182	UT to Crowders Creek	NHD	Yes	1111	ADJ
S502	UT to Crowders Creek	NHD	Yes	1061	ADJ
S502	UT to Crowders Creek	NHD	Yes	70	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W142			0.62	ADJ

Abbreviations			
P! Perennial	! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

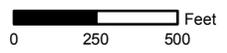
Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Traditional On-Site Mitigation
- Wetlands
- Streams
- Roads
- Site Boundary
- BMP Opportunities

Site 19



Location: Site 19 is located in Gaston County, NC, south of the Union Rd. and Bud Wilson Rd. intersection within the J2d corridor segment.

Site Description: Site 19 contains ten stream tributaries and one wetland system within forested and residential parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

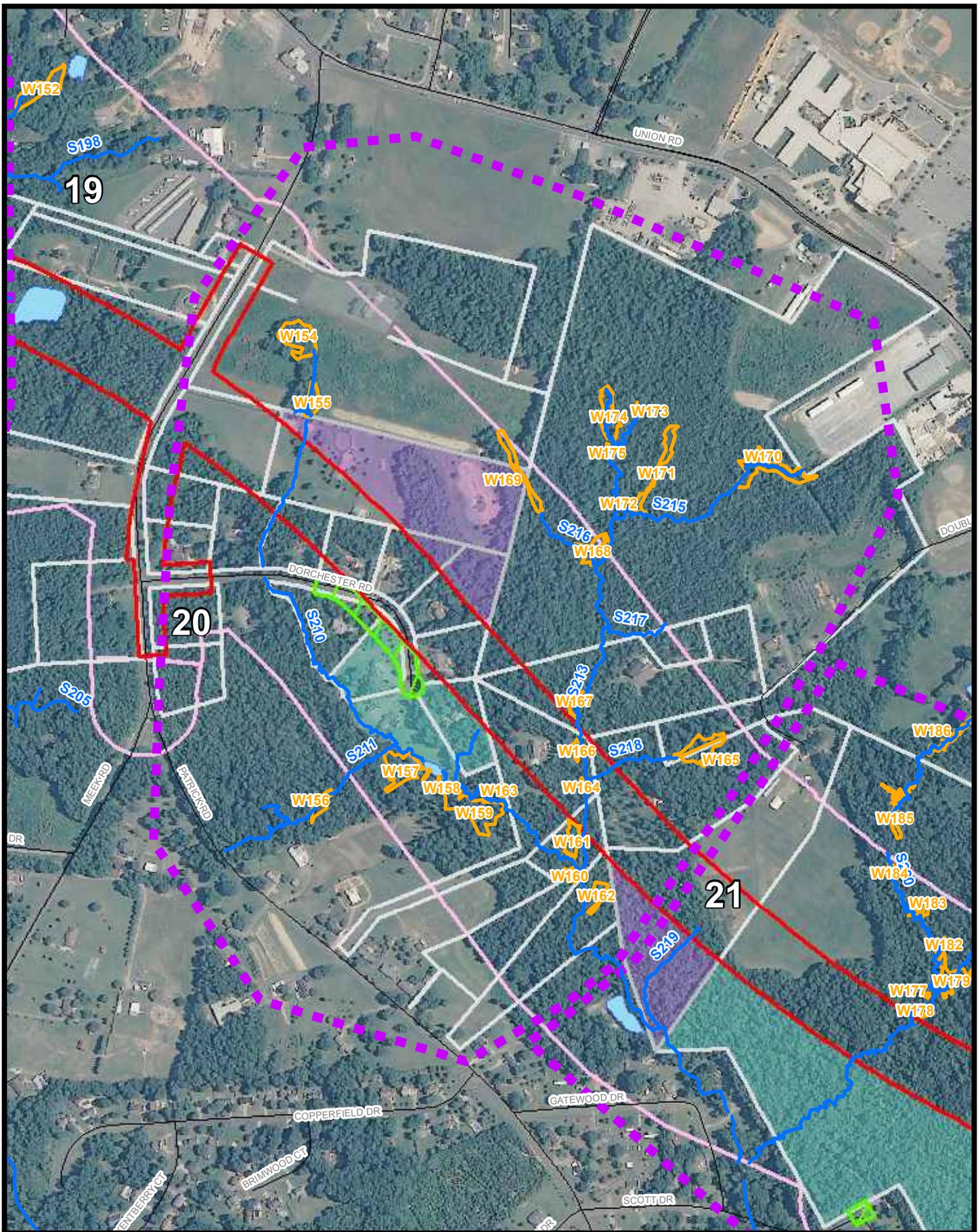
Resource Summary: Total Stream Length: 5807 Linear Feet Wetlands: 0.05 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S181	UT to Crowders Creek	P	Yes	576	ADJ
S181	UT to Crowders Creek	P	Yes	441	LL
S182	UT to Crowders Creek	I	Yes	183	ADJ
S182	UT to Crowders Creek	P	Yes	853	ADJ
S182	UT to Crowders Creek	P	Yes	100	LL
S183	UT to Crowders Creek	P	Yes	7	ADJ
S183	UT to Crowders Creek	P	Yes	206	ADJ
S183	UT to Crowders Creek	NO	Yes	5	ADJ
S196	UT to Crowders Creek	P	Yes	308	ADJ
S196	UT to Crowders Creek	P	Yes	1667	ADJ
S198	UT to Crowders Creek	P	Yes	14	ADJ
S198	UT to Crowders Creek	P	Yes	193	ADJ
S199	UT to Crowders Creek	I	Yes	311	ADJ
S201	UT to Crowders Creek	I	Yes	236	ADJ
S202	UT to Crowders Creek	P	Yes	229	ADJ
S203	UT to Crowders Creek	P	Yes	326	ADJ
S205	UT to Crowders Creek	P	Yes	157	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W153			0.05	ADJ

Abbreviations			
P! Perennial	I! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Wetlands
- Roads
- BMP Opportunities

Site 20



Location: Site 20 is located in Gaston County, NC, east of the Patrick Rd. and Dorchester Rd. intersection within the JX4 corridor segment.

Site Description: Site 20 contains nine stream tributaries and sixteen wetland systems within forested and residential parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	<input checked="" type="checkbox"/> Wetlands	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Preservation	<input type="checkbox"/> 303d Listed (2010)
		<input type="checkbox"/> Enhancement	<input checked="" type="checkbox"/> UT to 303d
		<input type="checkbox"/> Restoration	

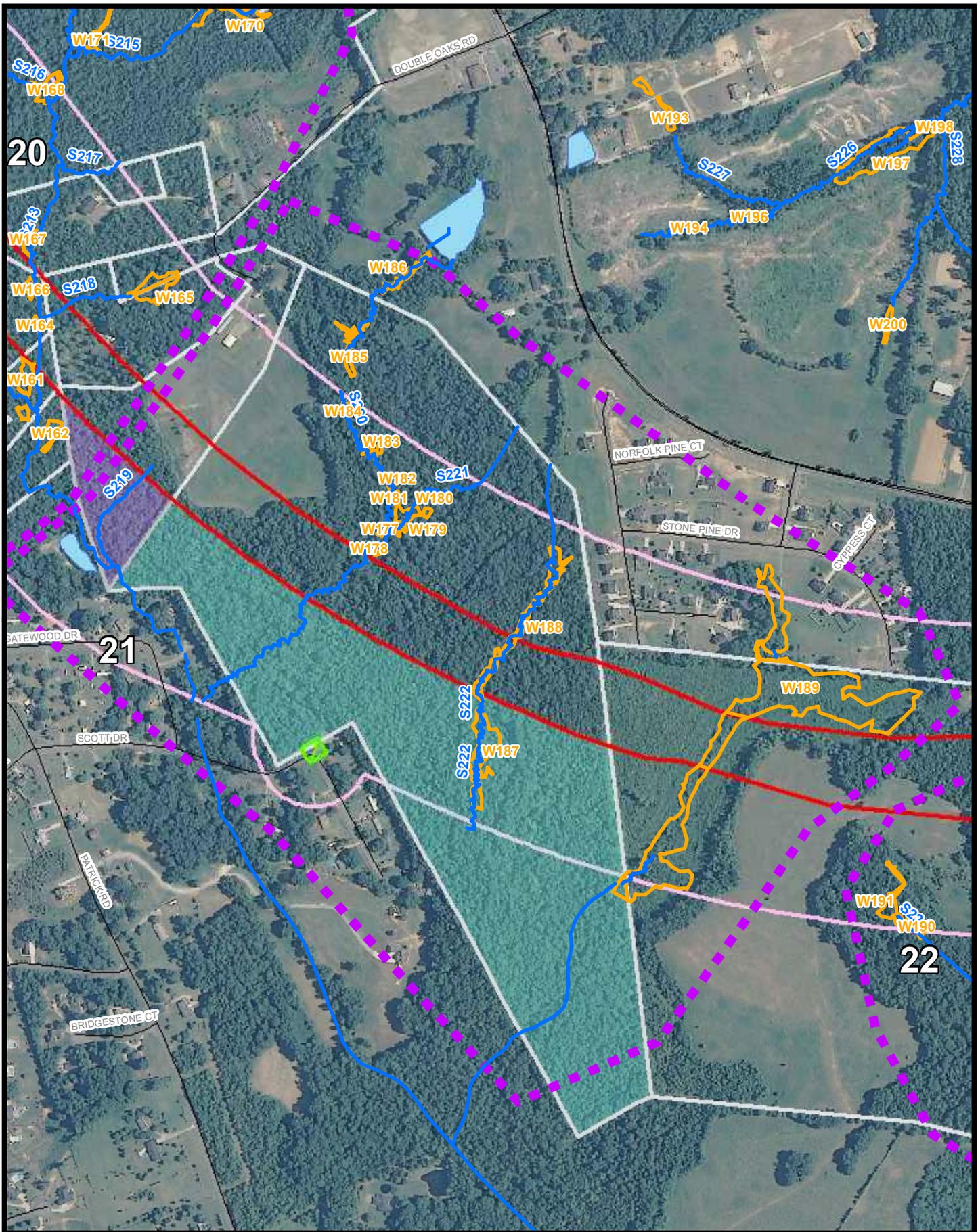
Resource Summary: Total Stream Length: 8592 Linear Feet Wetlands: 2.48 Acres
 Number of BMPs: 0

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S210	UT to Mill Creek*	P	Yes	701	LAA
S210	UT to Mill Creek*	P	Yes	468	NS
S210	UT to Mill Creek*	P	Yes	53	NS
S210	UT to Mill Creek*	P	Yes	377	ADJ
S210	UT to Mill Creek*	P	Yes	259	ADJ
S210	UT to Mill Creek*	P	Yes	571	NA
S210	UT to Mill Creek*	P	Yes	173	NA
S210	UT to Mill Creek*	P	Yes	527	ADJ
S210	UT to Mill Creek*	P	Yes	93	LL
S211	UT to Mill Creek*	NO	Yes	1206	NS
S211	UT to Mill Creek*	P	Yes	6	LWA
S212	UT to Mill Creek*	P	Yes	76	LWA
S212	UT to Mill Creek*	P	Yes	41	NS
S212	UT to Mill Creek*	P	Yes	200	LWA
S213	UT to Mill Creek*	P	Yes	2005	ADJ
S213	UT to Mill Creek*	P	Yes	18	ADJ
S213	UT to Mill Creek*	P	Yes	680	ADJ
S214	UT to Mill Creek*	P	Yes	329	ADJ
S215	UT to Mill Creek*	P	Yes	1177	ADJ
S216	UT to Mill Creek*	P	Yes	387	ADJ
S217	UT to Mill Creek*	I	Yes	187	ADJ
S218	UT to Mill Creek*	P	Yes	264	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W154			0.42	ADJ
W155			0.13	ADJ
W155			0.0008	LL
W160			0.05	ADJ
W161			0.17	ADJ
W162			0.10	ADJ
W163			0.0003	ADJ
W165			0.20	ADJ
W167			0.06	ADJ
W168			0.17	ADJ
W169			0.10	ADJ
W169			0.07	ADJ
W169			0.04	LL
W170			0.38	ADJ
W171			0.24	ADJ
W172			0.003	ADJ
W173			0.007	ADJ
W174			0.28	ADJ
W174A			0.006	ADJ
W175			0.05	ADJ

Abbreviations			
P! Perennial	! I Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ

*Mill Creek is a tributary to Catawba Creek, which is 303d listed.



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

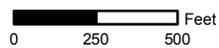
Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Wetlands
- Roads
- BMP Opportunities

Site 21



Location: Site 21 is located in Gaston County, NC, south of the Double Oaks Rd. and Union Rd. intersection within the JX4 corridor segment.

Site Description: Site 21 contains six stream tributaries and thirteen wetland systems within forested and residential parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

Resource Summary: Total Stream Length: 7597 Linear Feet Wetlands: 5.95 Acres
 Number of BMPs: 0

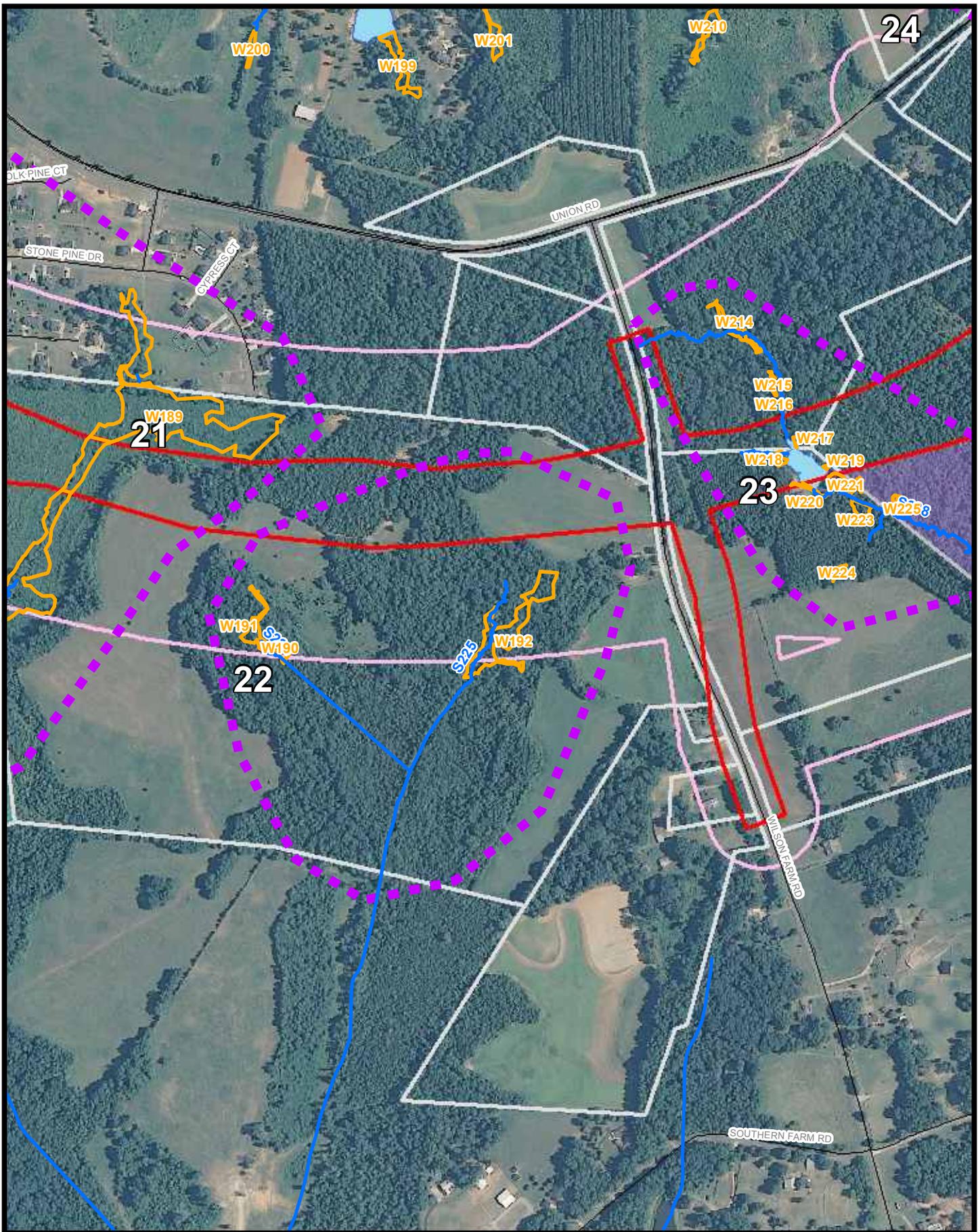
Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S213	UT to Mill Creek*	P	Yes	87	LWA
S213	UT to Mill Creek*	P	Yes	138	LL
S219	UT to Mill Creek*	P	Yes	543	LL
S220	UT to Mill Creek*	P	Yes	1733	ADJ
S220	UT to Mill Creek*	P	Yes	760	ADJ
S221	UT to Mill Creek*	P	Yes	731	ADJ
S221	UT to Mill Creek*	P	Yes	293	ADJ
S222	UT to Mill Creek*	P	Yes	426	ADJ
S222	UT to Mill Creek*	I	Yes	728	ADJ
S222	UT to Mill Creek*	I	Yes	263	LWA
S222	UT to Mill Creek*	P	Yes	778	LWA
S223	UT to Mill Creek*	P	Yes	20	LWA
S223	UT to Mill Creek*	P	Yes	217	ADJ
S223	UT to Mill Creek*	NHD	Yes	880	LWA

Wetland ID	Attribute	Type	Area (AC)	Location
W176			0.004	ADJ
W177			0.007	ADJ
W178			0.007	ADJ
W179			0.22	ADJ
W180			0.03	ADJ
W181			0.004	ADJ
W182			0.009	ADJ
W183			0.05	ADJ
W184			0.03	ADJ
W185			0.12	ADJ
W187			0.56	LWA
W188			0.35	ADJ
W189			0.09	LWA
W189			4.47	ADJ

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ

*Mill Creek is a tributary to Catawba Creek, which is 303d listed.



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

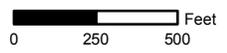
Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Wetlands
- Roads
- BMP Opportunities

Site 22



Location: Site 22 is located in Gaston County, NC, south of the Union Rd. and Wilson Farm Rd. intersection within the J1e corridor segment.

Site Description: Site 22 contains two stream tributaries and three wetland systems within forested and residential parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

Resource Summary: Total Stream Length: 2491 Linear Feet Wetlands: 1.28 Acres
 Number of BMPs: 0

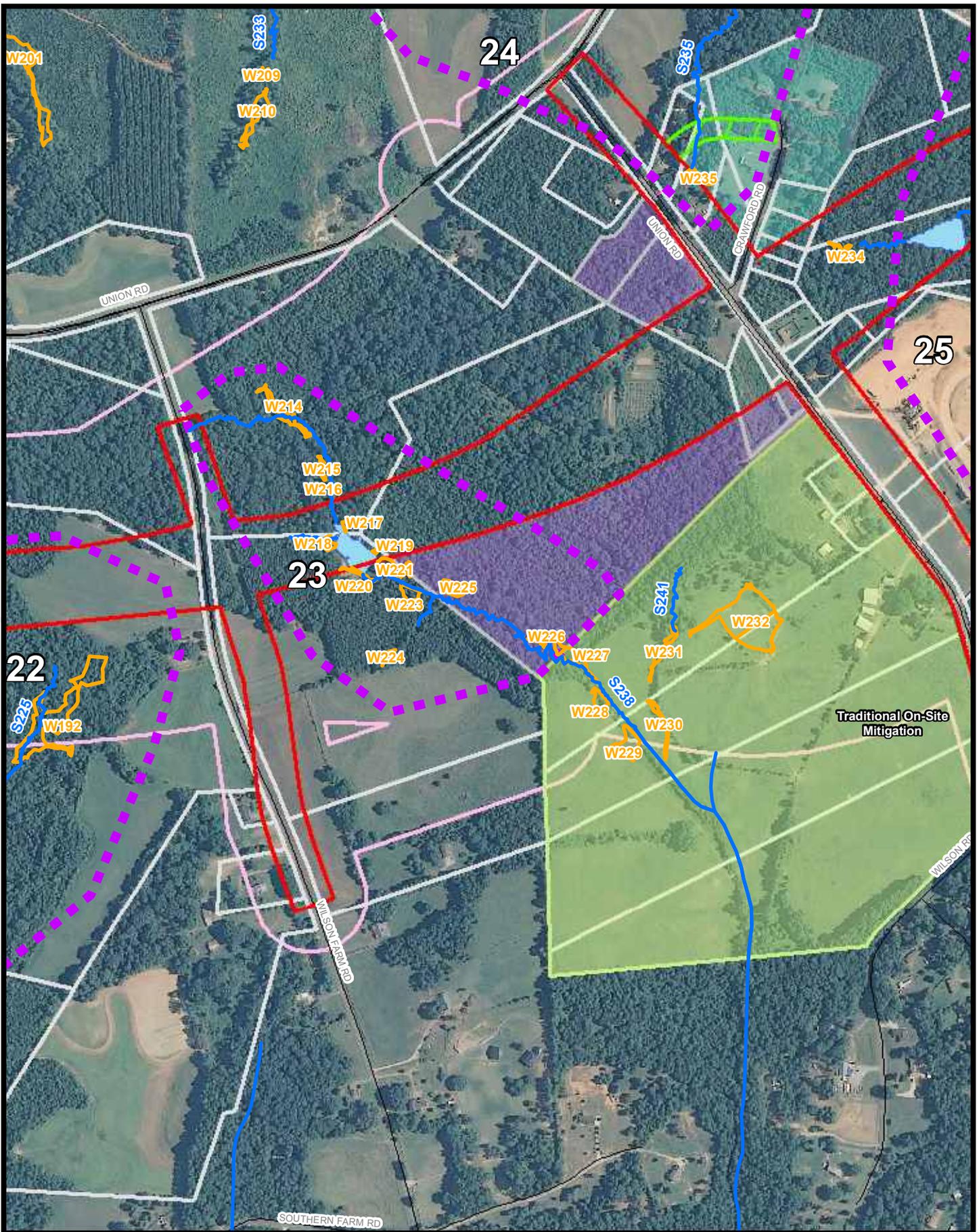
Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S224	UT to Mill Creek*	P	Yes	782	ADJ
S224	UT to Mill Creek*	P	Yes	148	ADJ
S225	UT to Mill Creek*	P	Yes	621	ADJ
S225	UT to Mill Creek*	NHD	Yes	940	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W190			0.09	ADJ
W191			0.20	ADJ
W192			0.99	ADJ

Abbreviations			
PI Perennial	II Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ

*Mill Creek is a tributary to Catawba Creek, which is 303d listed.



GASTON EAST-WEST CONNECTOR
STIP PROJECT NO. U-3321

Stream and Wetland
Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- | | | |
|--------------------------------|--------------------------------|-------------------|
| Right of Way | Ponds | Site Boundary |
| Parcels | Non-Adjacent Parcels | Streams |
| Landlocked Parcels | Study Area Corridor | Wetlands |
| Landlocked with Access Parcels | Access Road Right of Way | Roads |
| Traditional On-Site Mitigation | Traditional On-Site Mitigation | BMP Opportunities |

Site 23



Location: Site 23 is located in Gaston County, NC, southeast of the Union Rd. and Wilson Farm Rd. intersection within the J1e corridor segment.

Site Description: Site 23 contains two stream tributaries and eleven wetland systems within forested, undeveloped parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

Resource Summary: Total Stream Length: 2597 Linear Feet Wetlands: 0.62 Acres
 Number of BMPs: 0

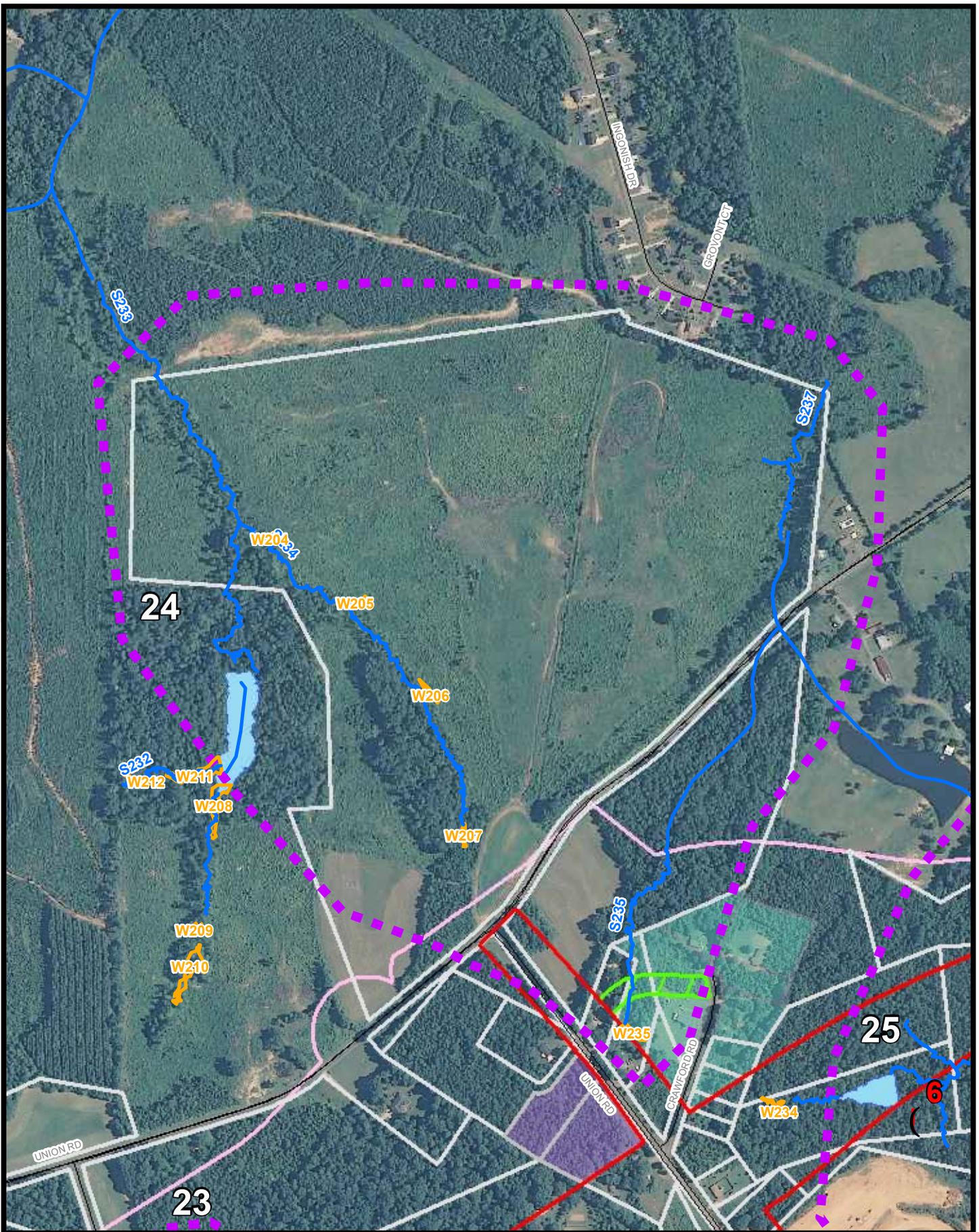
Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S238	UT to Mill Creek*	I	Yes	107	ADJ
S238	UT to Mill Creek*	P	Yes	759	ADJ
S238	UT to Mill Creek*	P	Yes	114	ADJ
S238	UT to Mill Creek*	P	Yes	445	ADJ
S238	UT to Mill Creek*	P	Yes	994	LL
S240	UT to Mill Creek*	I	Yes	178	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W214			0.15	ADJ
W215			0.02	ADJ
W216			0.007	ADJ
W220			0.03	ADJ
W221			0.12	ADJ
W222			0.005	ADJ
W222			0.02	LL
W223			0.09	ADJ
W224			0.02	ADJ
W225			0.06	LL
W226			0.06	LL
W227			0.04	LL

Abbreviations			
P! Perennial	! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ

*Mill Creek is a tributary to Catawba Creek, which is 303d listed.



GASTON EAST-WEST CONNECTOR
STIP PROJECT NO. U-3321

Stream and Wetland
Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

Right of Way

Parcels

Landlocked Parcels

Landlocked with Access Parcels

Ponds

Non-Adjacent Parcels

Study Area Corridor

Access Road Right of Way

Traditional On-Site Mitigation

Site Boundary

Streams

Wetlands

Roads

BMP Opportunities

Site 24



Location: Site 24 is located in Gaston County, NC, north of the Union Rd. and Crawford Rd. intersection within the J1f corridor segment.

Site Description: Site 24 contains five stream tributaries and five wetland systems within forested, grassland and residential parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

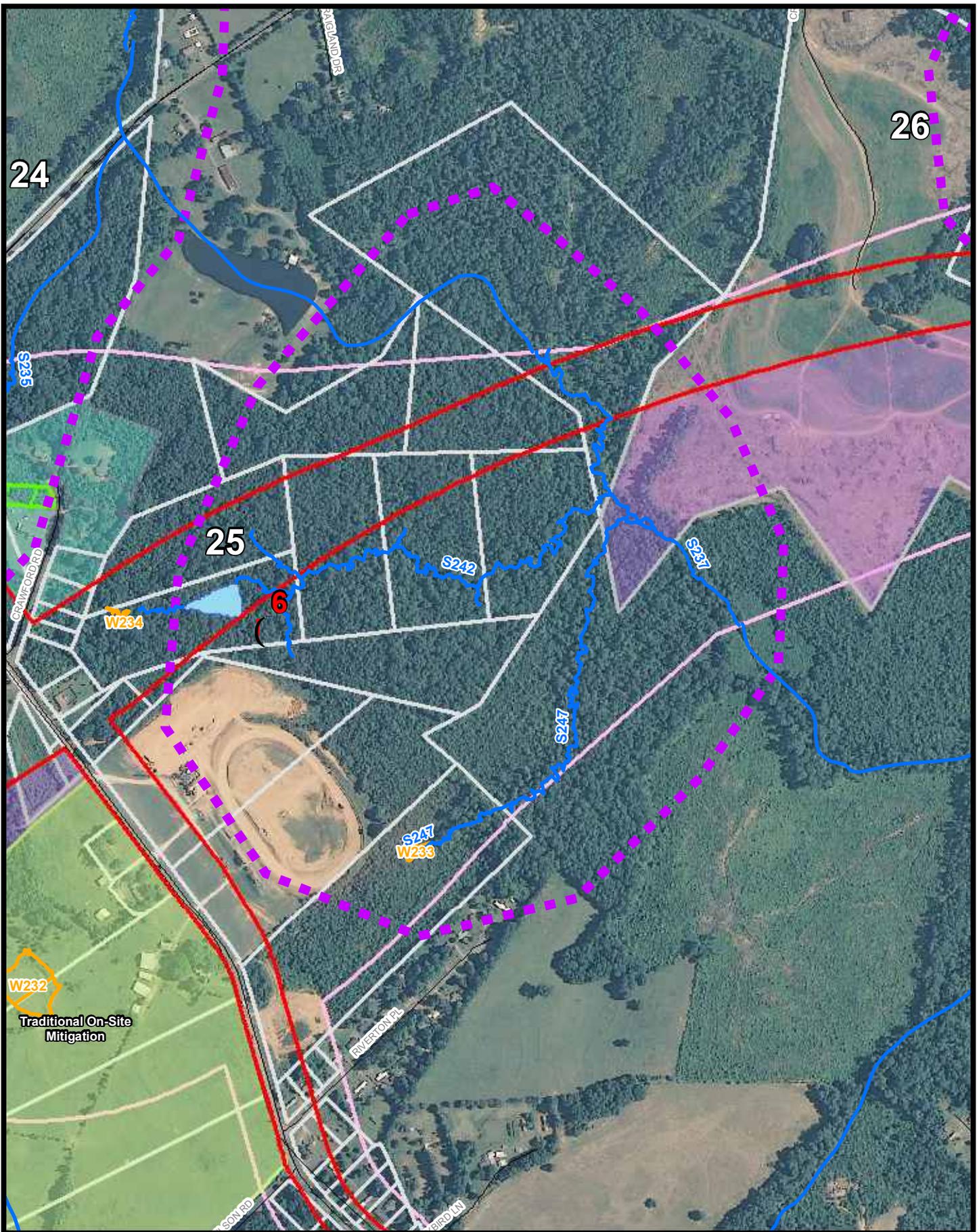
Resource Summary: Total Stream Length: 7699 Linear Feet Wetlands: 0.12 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S233	UT to Catawba Creek	P	Yes	1363	ADJ
S234	UT to Catawba Creek	P	Yes	2496	ADJ
S235	UT to Catawba Creek	P	Yes	86	LAA
S235	UT to Catawba Creek	P	Yes	332	LAA
S235	UT to Catawba Creek	P	Yes	671	ADJ
S235	UT to Catawba Creek	P	Yes	1177	ADJ
S236	UT to Catawba Creek	I	Yes	118	ADJ
S237	UT to Catawba Creek	P	Yes	939	ADJ
S237	UT to Catawba Creek	NHD	Yes	367	ADJ
S237	UT to Catawba Creek	NHD	Yes	150	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W204			0.02	ADJ
W205			0.01	ADJ
W206			0.03	ADJ
W207			0.02	ADJ
W235			0.04	LWA

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Wetlands
- Site Boundary
- Streams
- Roads
- BMP Opportunities

Site 25



Location: Site 25 is located in Gaston County, NC, east of the Union Rd. and Crawford Rd. intersection within the J1f corridor segment.

Site Description: Site 25 contains seven stream tributaries and one wetland system, of which only the streams are viable opportunities. This site is within forested and commercially developed parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input type="checkbox"/> Preservation	<input checked="" type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

Resource Summary: Total Stream Length: 4825 Linear Feet Wetlands: 0 Acres
 Number of BMPs: 1

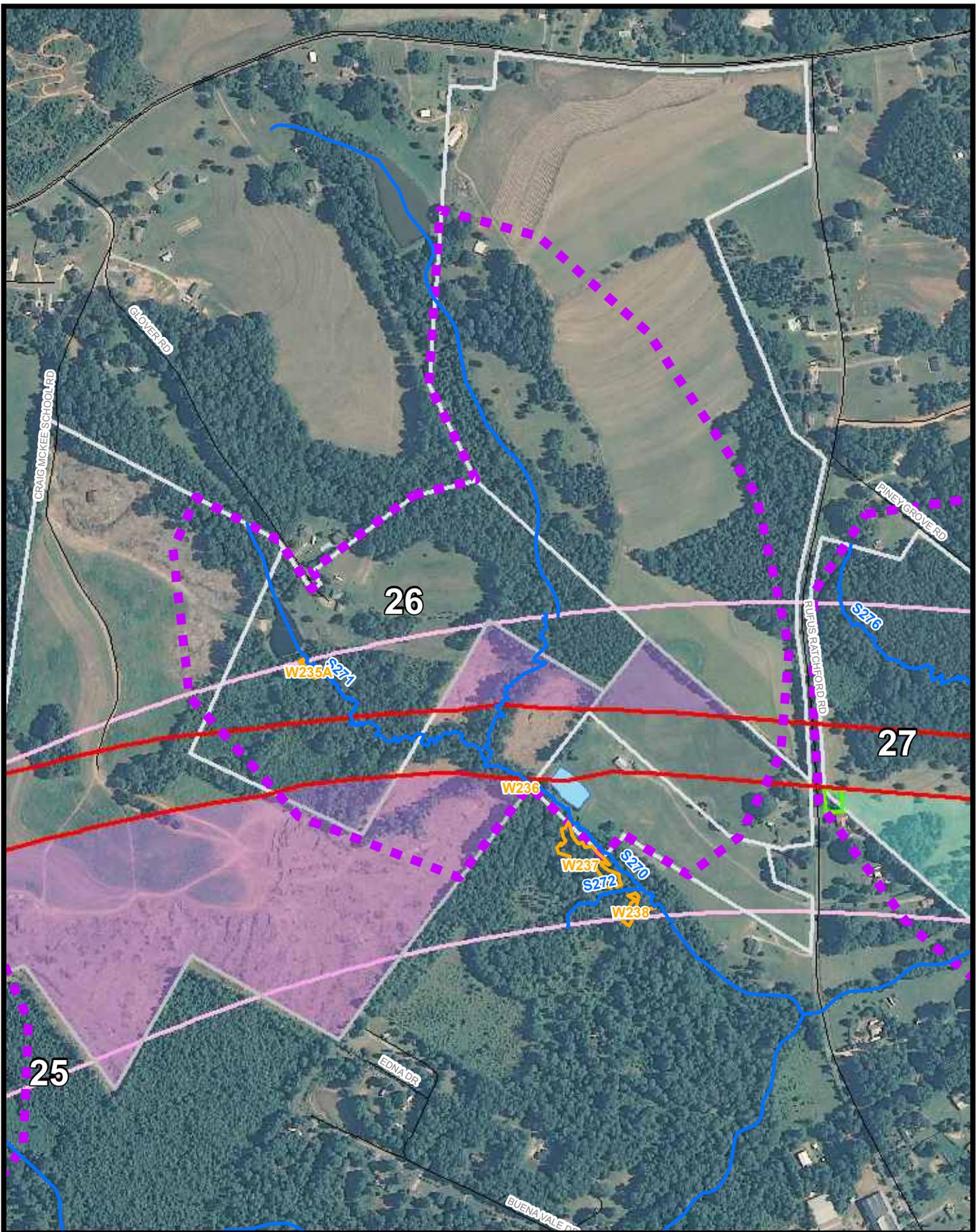
Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S237	UT to Catawba Creek	NO	Yes	80	ADJ
S237	UT to Catawba Creek	NO	Yes	97	ADJ
S237	UT to Catawba Creek	P	Yes	609	ADJ
S237	UT to Catawba Creek	P	Yes	443	LL
S237	UT to Catawba Creek	NO	Yes	799	ADJ
S242	UT to Catawba Creek	P	Yes	3099	ADJ
S242	UT to Catawba Creek	P	Yes	16	LL
S243	UT to Catawba Creek	P	Yes	85	ADJ
S244	UT to Catawba Creek	P	Yes	32	ADJ
S245	UT to Catawba Creek	I	Yes	98	ADJ
S246	UT to Catawba Creek	I	Yes	114	ADJ
S247	UT to Catawba Creek	NO	Yes	125	ADJ
S247	UT to Catawba Creek	NO	Yes	101	ADJ
S247	UT to Catawba Creek	NO	Yes	378	ADJ
S247	UT to Catawba Creek	P	Yes	329	LL

Wetland ID	Attribute	Type	Area (AC)	Location
W233		NO	0.07	ADJ

BMP ID	Description
6	Located north of the Carolina Speedway dirt track, the created BMP would capture sediment runoff from clay parking lots.

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Wetlands
- Roads
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Wetlands
- Roads
- BMP Opportunities

Site 26



Location: Site 26 is located in Gaston County, NC, west of the Rufus Ratchford Rd. and Piney Grove Rd. intersection within the K1a corridor segment.

Site Description: Site 26 contains two stream tributaries and two wetland systems, with both streams and only one wetland system being viable opportunities. This site is within forested, residential and agricultural parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	Wetlands	
<input checked="" type="checkbox"/> Preservation	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Enhancement	<input type="checkbox"/> 303d Listed (2010)
<input type="checkbox"/> Restoration	<input type="checkbox"/> Restoration	<input checked="" type="checkbox"/> UT to 303d

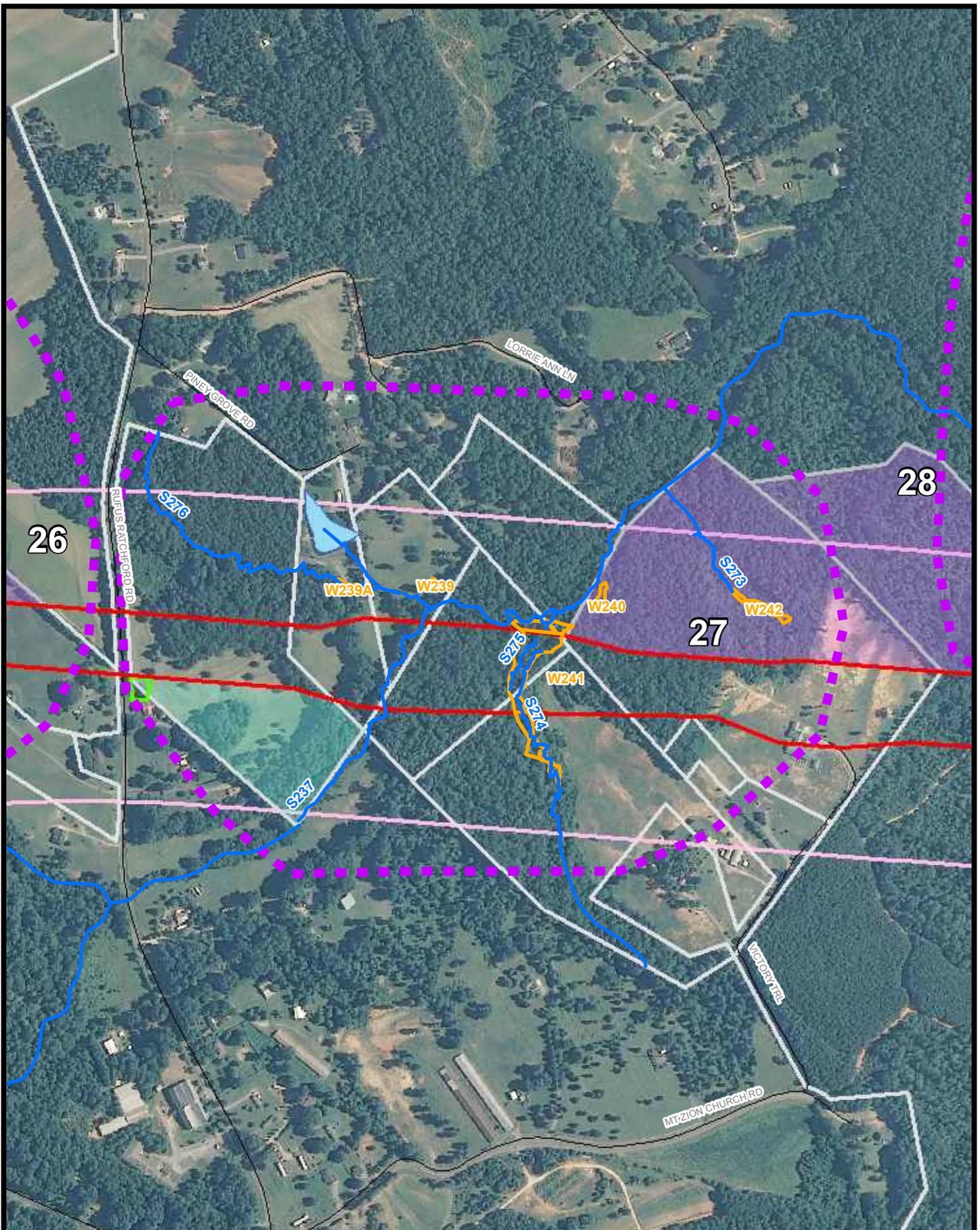
Resource Summary: Total Stream Length: 1578 Linear Feet Wetlands: 0.07 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S270	UT to Catawba Creek	NO	Yes	237	ADJ
S270	UT to Catawba Creek	NO	Yes	509	ADJ
S270	UT to Catawba Creek	P	Yes	451	LL
S270	UT to Catawba Creek	NO	Yes	48	LL
S270	UT to Catawba Creek	NO	Yes	1564	ADJ
S271	UT to Catawba Creek	P	Yes	675	ADJ
S271	UT to Catawba Creek	P	Yes	452	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W235A			0.07	ADJ
W237		NO	0.0003	ADJ

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Wetlands
- Roads
- BMP Opportunities

Site 27



Location: Site 27 is located in Gaston County, NC, southeast of the Rufus Ratchford Rd. and Piney Grove Rd. intersection within the K1a corridor segment.

Site Description: Site 27 contains six stream tributaries and four wetland systems within forested and residential parcels.

Parcel Types: Landlocked Landlocked With Access Adjacent Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	<input checked="" type="checkbox"/> Wetlands	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Preservation	<input type="checkbox"/> 303d Listed (2010)
		<input type="checkbox"/> Enhancement	<input checked="" type="checkbox"/> UT to 303d
		<input type="checkbox"/> Restoration	

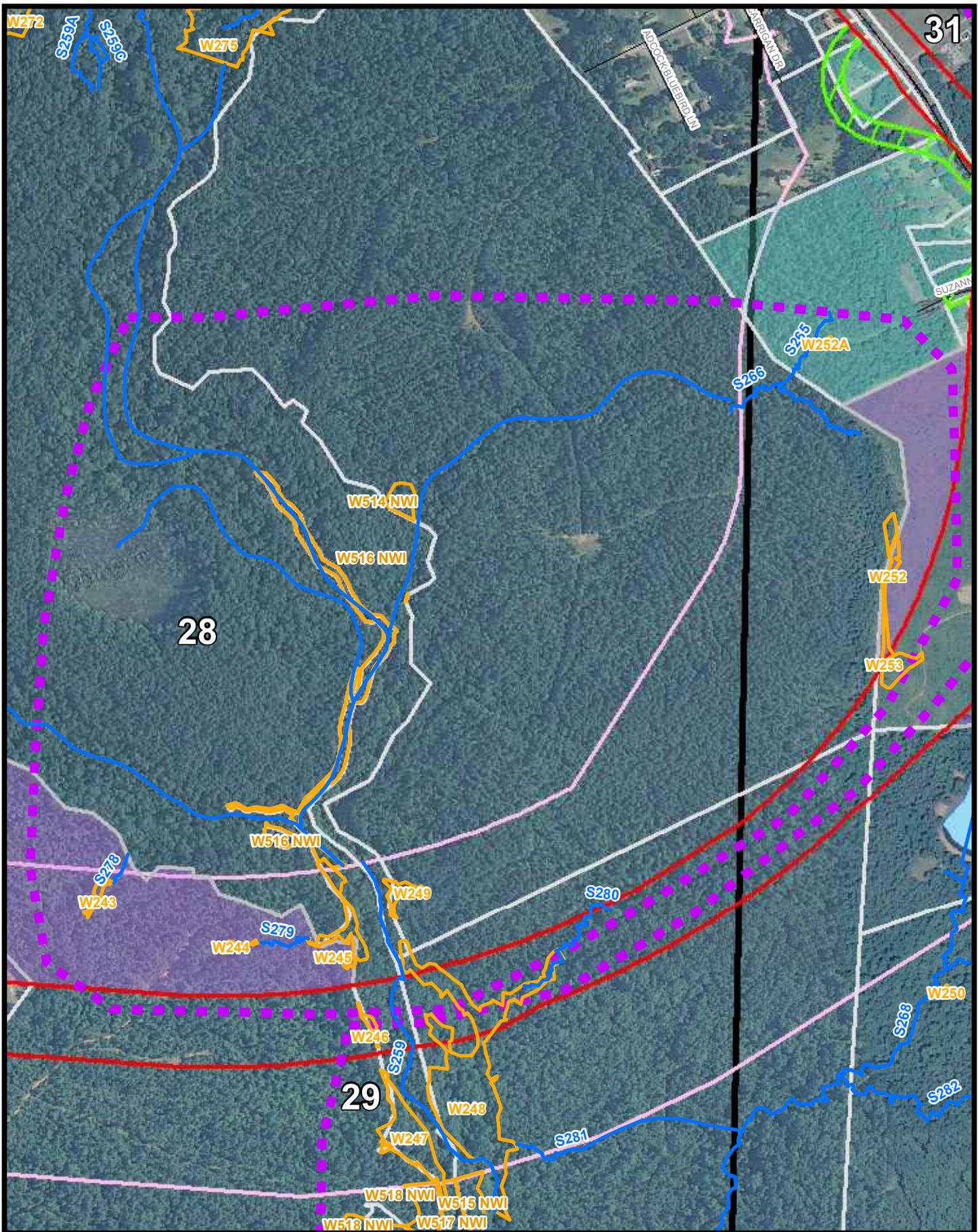
Resource Summary: Total Stream Length: 6222 Linear Feet Wetlands: 0.86 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S237	UT to Catawba Creek	P	Yes	239	LLA
S237	UT to Catawba Creek	P	Yes	1012	ADJ
S237	UT to Catawba Creek	P	Yes	169	ADJ
S237	UT to Catawba Creek	P	Yes	143	LL
S273	UT to Catawba Creek	P	Yes	252	LL
S273	UT to Catawba Creek	P	Yes	371	LL
S274	UT to Catawba Creek	P	Yes	100	ADJ
S274	UT to Catawba Creek	P	Yes	825	ADJ
S274	UT to Catawba Creek	P	Yes	753	ADJ
S275	UT to Catawba Creek	P	Yes	44	ADJ
S276	UT to Catawba Creek	P	Yes	180	ADJ
S276	UT to Catawba Creek	P	Yes	1892	ADJ
S277	UT to Catawba Creek	P	Yes	242	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W239			0.02	ADJ
W239A			0.05	ADJ
W240			0.09	LL
W241			0.004	LL
W241			0.07	ADJ
W241			0.32	ADJ
W241			0.16	ADJ
W242			0.15	LL

Abbreviations			
P! Perennial	! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Wetlands
- Roads
- Site Boundary
- Streams
- Traditional On-Site Mitigation
- BMP Opportunities

Site 28



Location: Site 28 is located in Gaston County, NC, southwest of the S New Hope Rd. and Armstrong Dr. intersection within the K3a corridor segment.

Site Description: Site 28 contains ten stream tributaries and seven wetland systems, with three streams and four wetland systems being viable options. This site is within forested, undeveloped parcels.

Parcel Types: Landlocked Landlocked With Access Adjacent Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> 303d Listed (2010)
		<input checked="" type="checkbox"/> Restoration	<input checked="" type="checkbox"/> UT to 303d

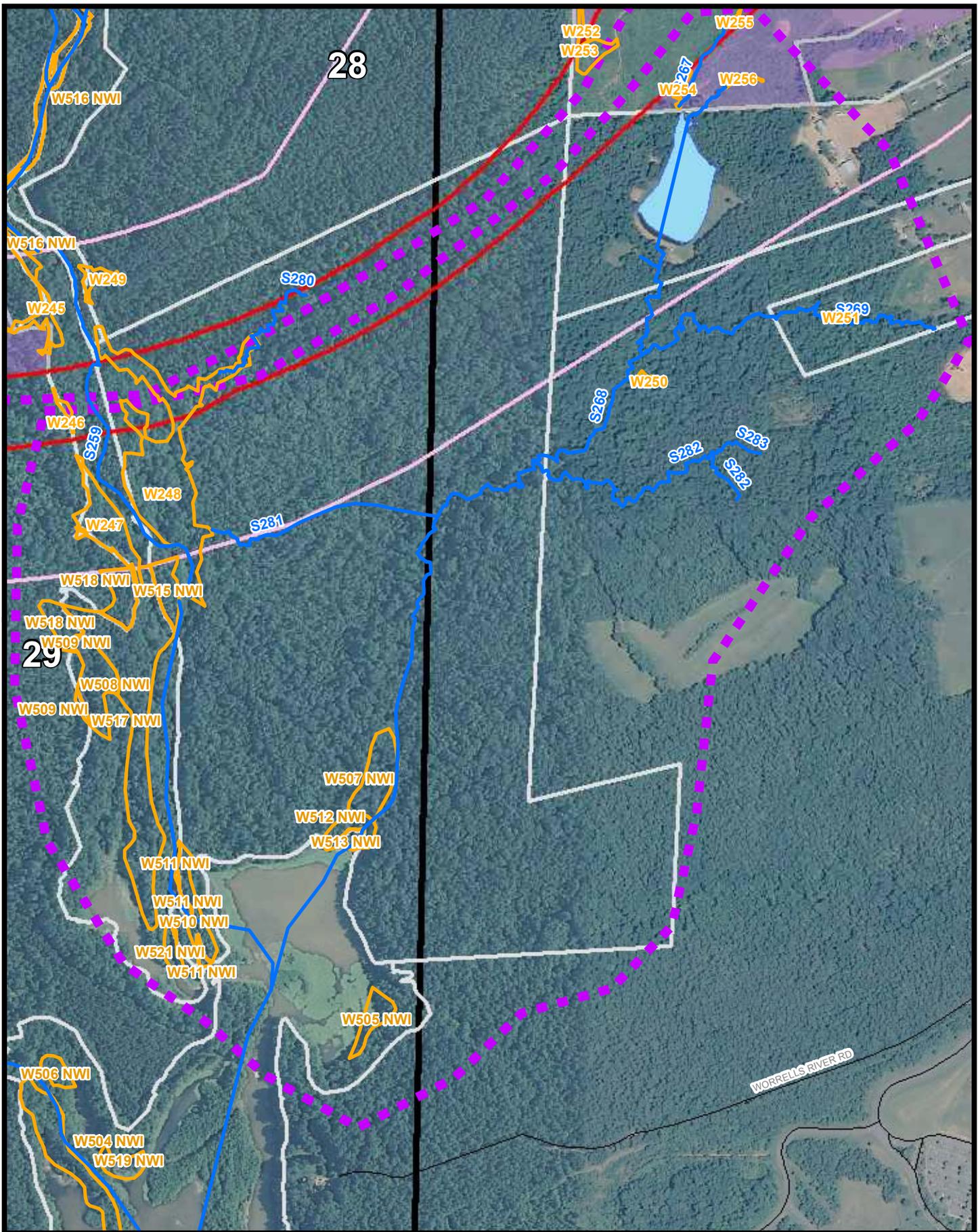
Resource Summary: Total Stream Length: 551 Linear Feet Wetlands: 0.31 Acres
Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S259	Catawba Creek	NO	Yes	415	ADJ
S265	UT to Catawba Creek	NO	Yes	86	ADJ
S266	UT to Catawba Creek	NO	Yes	938	ADJ
S278	UT to Catawba Creek	P	Yes	80	LL
S278	UT to Catawba Creek	I	Yes	78	LL
S279	UT to Catawba Creek	I	Yes	321	LL
S280	UT to Catawba Creek	I	Yes	72	ADJ
S504	UT to Catawba Creek	NO	Yes	45	ADJ
S504	UT to Catawba Creek	NO	Yes	433	ADJ
S504	UT to Catawba Creek	NO	Yes	180	ADJ
S504	UT to Catawba Creek	NO	Yes	124	ADJ
S504	UT to Catawba Creek	NO	Yes	155	ADJ
S505	Catawba Creek	NO	Yes	508	ADJ
S505	Catawba Creek	NO	Yes	178	ADJ
S505	Catawba Creek	NO	Yes	71	ADJ
S506	UT to Catawba Creek	NO	Yes	108	ADJ
S506	UT to Catawba Creek	NO	Yes	13	ADJ
S259	Catawba Creek	NO	Yes	59	ADJ
S259	Catawba Creek	NO	Yes	201	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W243			0.10	LL
W244			0.06	LL
W245		NO	0.07	LL
W252			0.15	LL
W252		NO	0.14	ADJ
W253			0.0003	LL
W514 NWI	PFO1Ah	NO	0.34	ADJ
W516 NWI	PFO1Ah	NO	2.09	ADJ

Abbreviations			
P! Perennial	I! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Wetlands
- Roads
- BMP Opportunities

Site 29



Location: Site 29 is located in Gaston County, NC, west of the S New Hope Rd. and Dixon Rd. intersection within the K3a corridor segment.

Site Description: Site 29 contains one river, six stream tributaries and sixteen wetland systems, of which only five stream tributaries are viable opportunities. This site is within forested, undeveloped parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Preservation	<input checked="" type="checkbox"/> 303d Listed (2010)
		<input type="checkbox"/> Enhancement	<input checked="" type="checkbox"/> UT to 303d
		<input type="checkbox"/> Restoration	

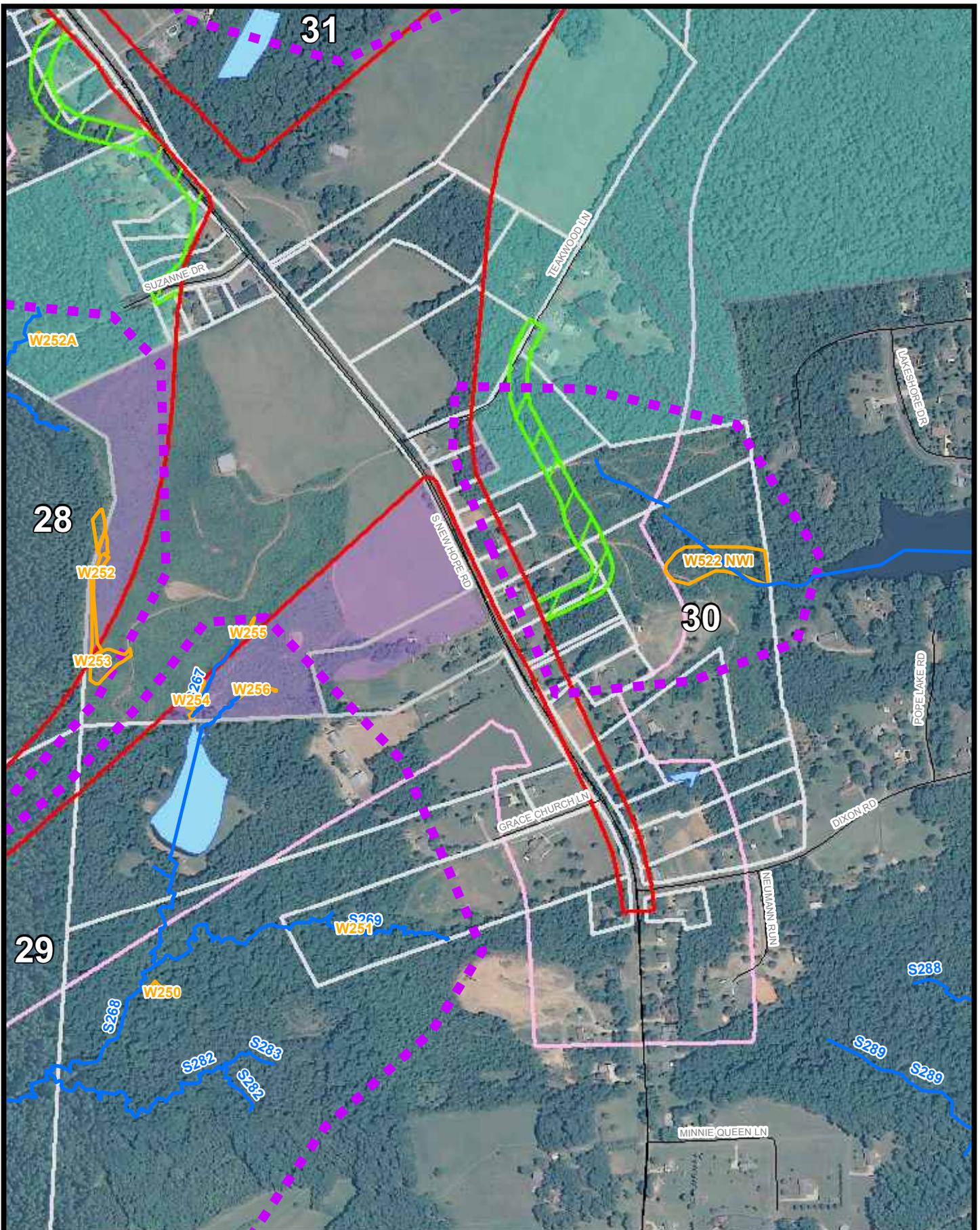
Resource Summary: Total Stream Length: 8671 Linear Feet Wetlands: 0 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S259	Catawba Creek	NO	Yes	990	ADJ
S259	South Fork Catawba River	NO	Yes	1687	ADJ
S267	UT to South Fork Catawba River	I	Yes	314	LL
S268	UT to South Fork Catawba River	P	Yes	79	ADJ
S268	UT to South Fork Catawba River	P	Yes	169	LL
S268	UT to South Fork Catawba River	P	Yes	1294	NS
S268	UT to South Fork Catawba River	P	Yes	1704	ADJ
S268	UT to South Fork Catawba River	P (Res)	Yes	587	ADJ
S268	UT to South Fork Catawba River	NHD	Yes	384	ADJ
S268	UT to South Fork Catawba River	NO	Yes	728	ADJ
S269	UT to South Fork Catawba River	P	Yes	935	NS
S269	UT to South Fork Catawba River	P	Yes	1026	ADJ
S281	UT to South Fork Catawba River	NO	Yes	284	ADJ
S281	UT to South Fork Catawba River	P	Yes	144	ADJ
S281	UT to South Fork Catawba River	P	Yes	706	ADJ
S282	UT to South Fork Catawba River	P	Yes	1249	NS
S282	UT to South Fork Catawba River	P	Yes	80	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W247		NO	1.15	ADJ
W247		NO	0.12	ADJ
W248		NO	3.14	ADJ
W248		NO	0.04	ADJ
W251		NO	0.02	ADJ
W505 NWI	PFO1Ch	NO	0.50	ADJ
W507 NWI	PFO1Ah	NO	1.12	ADJ
W508 NWI	PSS1Ch	NO	1.16	ADJ
W509 NWI	PSS1Ch	NO	0.09	ADJ
W510 NWI	PFO1Ch	NO	0.71	ADJ
W511 NWI	PFO1Ch	NO	0.21	ADJ
W512 NWI	PEM1Ch	NO	0.43	ADJ
W513 NWI	PEM1Ch	NO	0.25	ADJ
W515 NWI	PFO1Ah	NO	0.58	ADJ
W517 NWI	PFO1Ah	NO	5.16	ADJ
W518 NWI	PFO1Ah	NO	1.16	ADJ
W520 NWI	PSS1Ch	NO	0.009	ADJ
W521 NWI	PSS1Ch	NO	0.25	ADJ

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- ▬ Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Site Boundary
- Access Road Right of Way
- Wetlands
- Streams
- Roads
- BMP Opportunities
- Traditional On-Site Mitigation

Site 30



Location: Site 30 is located in Gaston County, NC, east of the Teakwood Ln. and S New Hope Rd. intersection within the K3a corridor segment.

Site Description: Site 30 contains two stream tributaries and two wetland systems within residential and forested parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

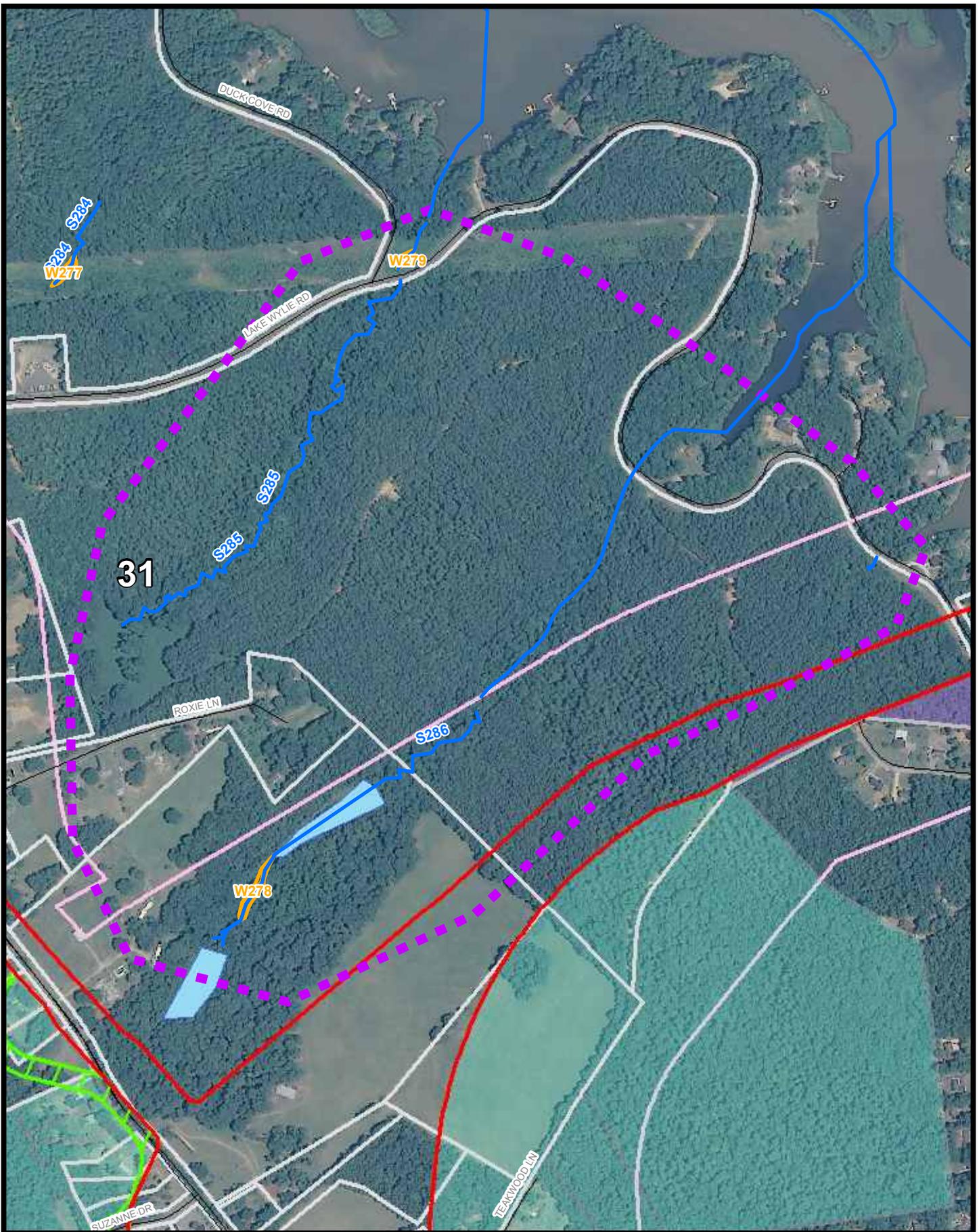
Resource Summary: Total Stream Length: 984 Linear Feet Wetlands: 0.13 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S287	UT to South Fork Catawba River	I	Yes	193	ADJ
S287	UT to South Fork Catawba River	P	Yes	213	ADJ
S297	UT to South Fork Catawba River	NHD	Yes	578	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W254			0.11	LL
W256			0.02	LL

Abbreviations			
P! Perennial	! I Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
STIP PROJECT NO. U-3321

Stream and Wetland
Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

Right of Way

Parcels

Landlocked Parcels

Landlocked with Access Parcels

Ponds

Non-Adjacent Parcels

Study Area Corridor

Access Road Right of Way

Traditional On-Site Mitigation

Site Boundary

Streams

Wetlands

Roads

BMP Opportunities

Site 31



Location: Site 31 is located in Gaston County, NC, south of the Lake Wylie Rd. and Duck Cove Rd. intersection within the K3a corridor segment.

Site Description: Site 31 contains four stream tributaries and one wetland system within forested and residential parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input checked="" type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

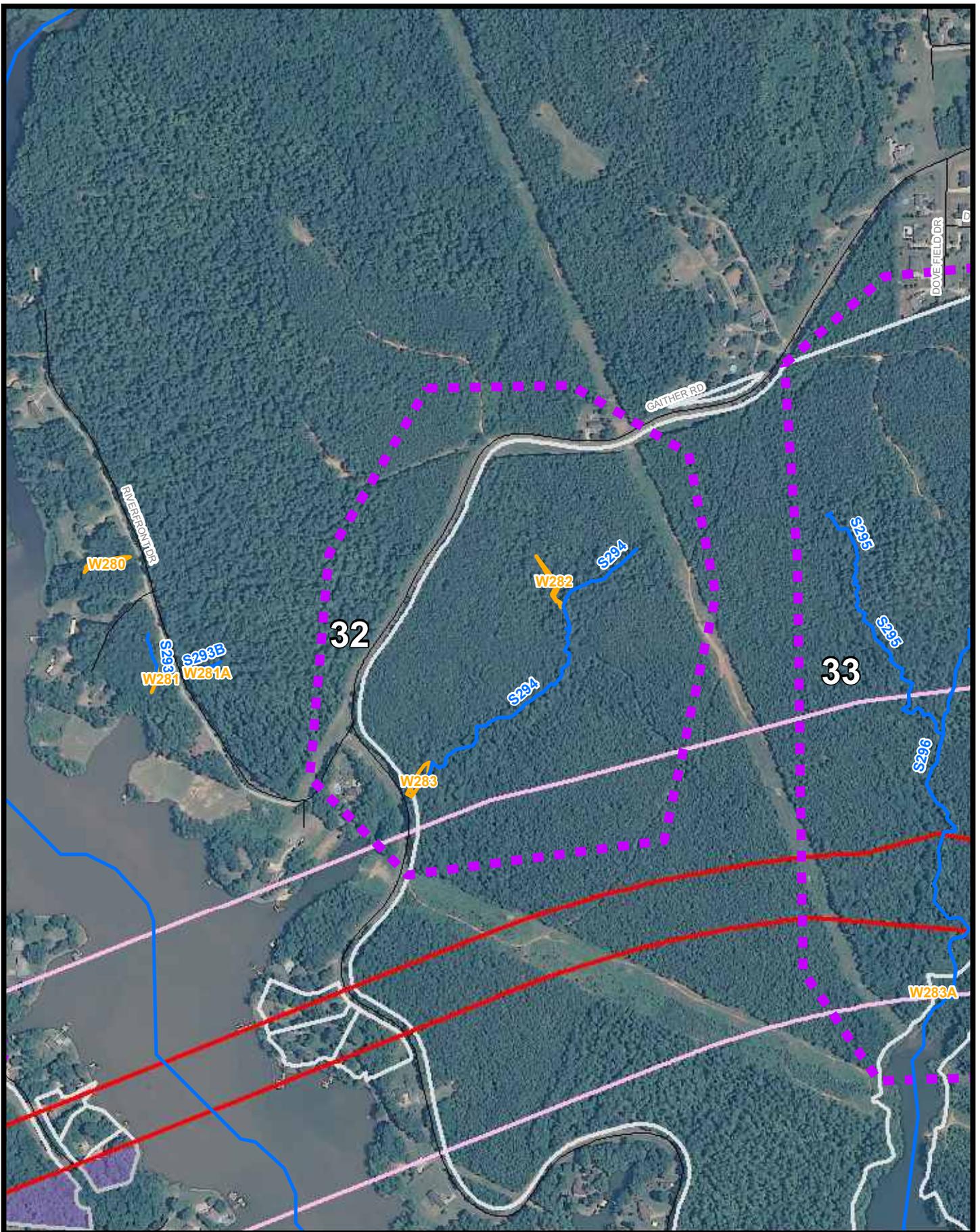
Resource Summary: Total Stream Length: 5828 Linear Feet Wetlands: 0.18 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S266	UT to South Fork Catawba River	NHD	Yes	1222	ADJ
S285	UT to South Fork Catawba River	I	Yes	1123	ADJ
S285	UT to South Fork Catawba River	P	Yes	1560	ADJ
S286	UT to South Fork Catawba River	I	Yes	84	ADJ
S286	UT to South Fork Catawba River	P	Yes	667	ADJ
S286	UT to South Fork Catawba River	P (Res)	Yes	612	ADJ
S286	UT to South Fork Catawba River	P	Yes	443	ADJ
S286A	UT to South Fork Catawba River	I	Yes	30	ADJ
S293A	UT to South Fork Catawba River	I	Yes	22	ADJ
S293A	UT to South Fork Catawba River	P	Yes	65	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W278			0.18	ADJ

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Wetlands
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Roads
- BMP Opportunities

Site 32



Location: Site 32 is located in Gaston County, NC, east of the Gaither Rd. and Riverfront Dr. intersection within the K3a corridor segment.

Site Description: Site 32 contains one stream tributaries and two wetland systems within forested and residential parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

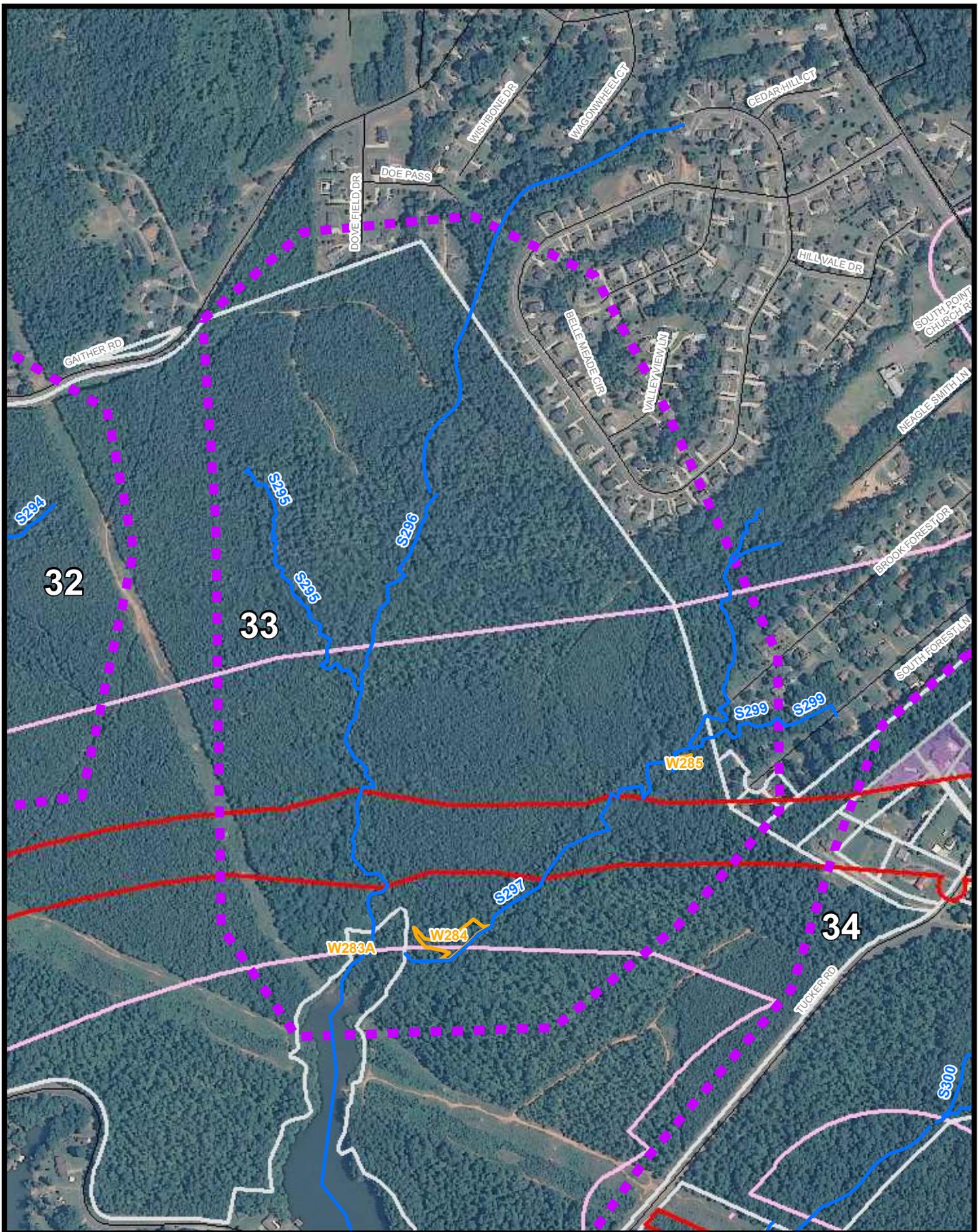
Resource Summary: Total Stream Length: 1698 Linear Feet Wetlands: 0.17 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S294	UT to South Fork Catawba River	I	Yes	747	ADJ
S294	UT to South Fork Catawba River	P	Yes	951	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W282			0.06	ADJ
W283			0.11	ADJ

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Wetlands
- Traditional On-Site Mitigation
- Streams
- Roads
- Site Boundary
- Wetlands
- BMP Opportunities

Site 33



Location: Site 33 is located in Gaston County, NC, south of the Gaither Rd. and Dove Field Dr. intersection within the K3a corridor segment.

Site Description: Site 33 contains four stream tributaries and two wetland systems within forested and residential parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

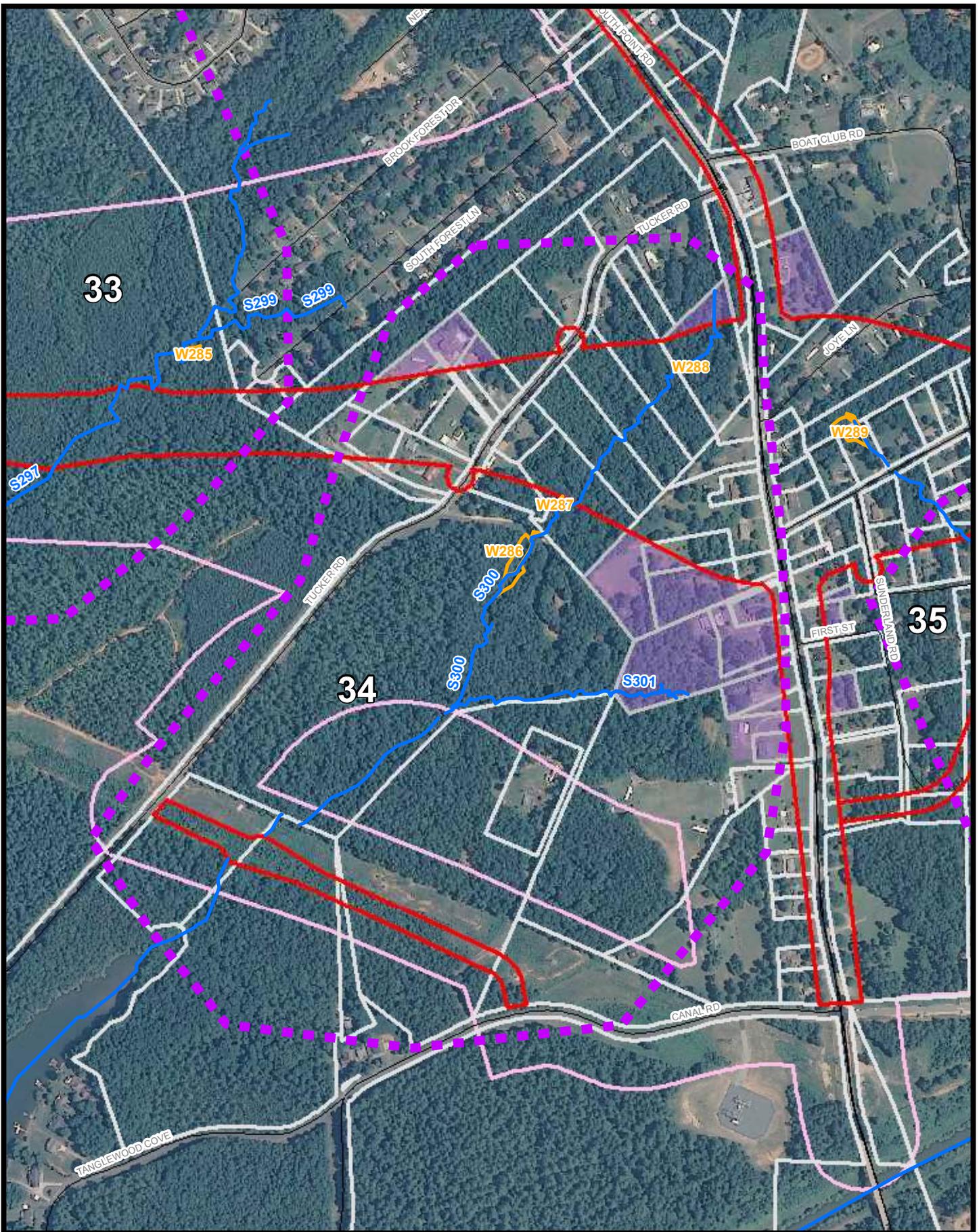
Resource Summary: Total Stream Length: 5701 Linear Feet Wetlands: 0.52 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S295	UT to South Fork Catawba River	I	Yes	563	ADJ
S295	UT to South Fork Catawba River	P	Yes	901	ADJ
S296	UT to South Fork Catawba River	P	Yes	1602	ADJ
S296	UT to South Fork Catawba River	NO	Yes	271	ADJ
S296	UT to South Fork Catawba River	NHD	Yes	876	ADJ
S297	UT to South Fork Catawba River	P	Yes	837	ADJ
S297	UT to South Fork Catawba River	P	Yes	805	ADJ
S299	UT to South Fork Catawba River	P	Yes	117	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W284			0.47	ADJ
W285			0.05	ADJ

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
STIP PROJECT NO. U-3321

Stream and Wetland
Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

Right of Way

Parcels

Landlocked Parcels

Landlocked with Access Parcels

Ponds

Non-Adjacent Parcels

Study Area Corridor

Access Road Right of Way

Traditional On-Site Mitigation

Site Boundary

Streams

Wetlands

Roads

BMP Opportunities

Site 34



Location: Site 34 is located in Gaston County, NC, south of the Tucker Rd. and South Point Rd. intersection within the K3a corridor segment.

Site Description: Site 34 contains two stream tributaries within forested and residential parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

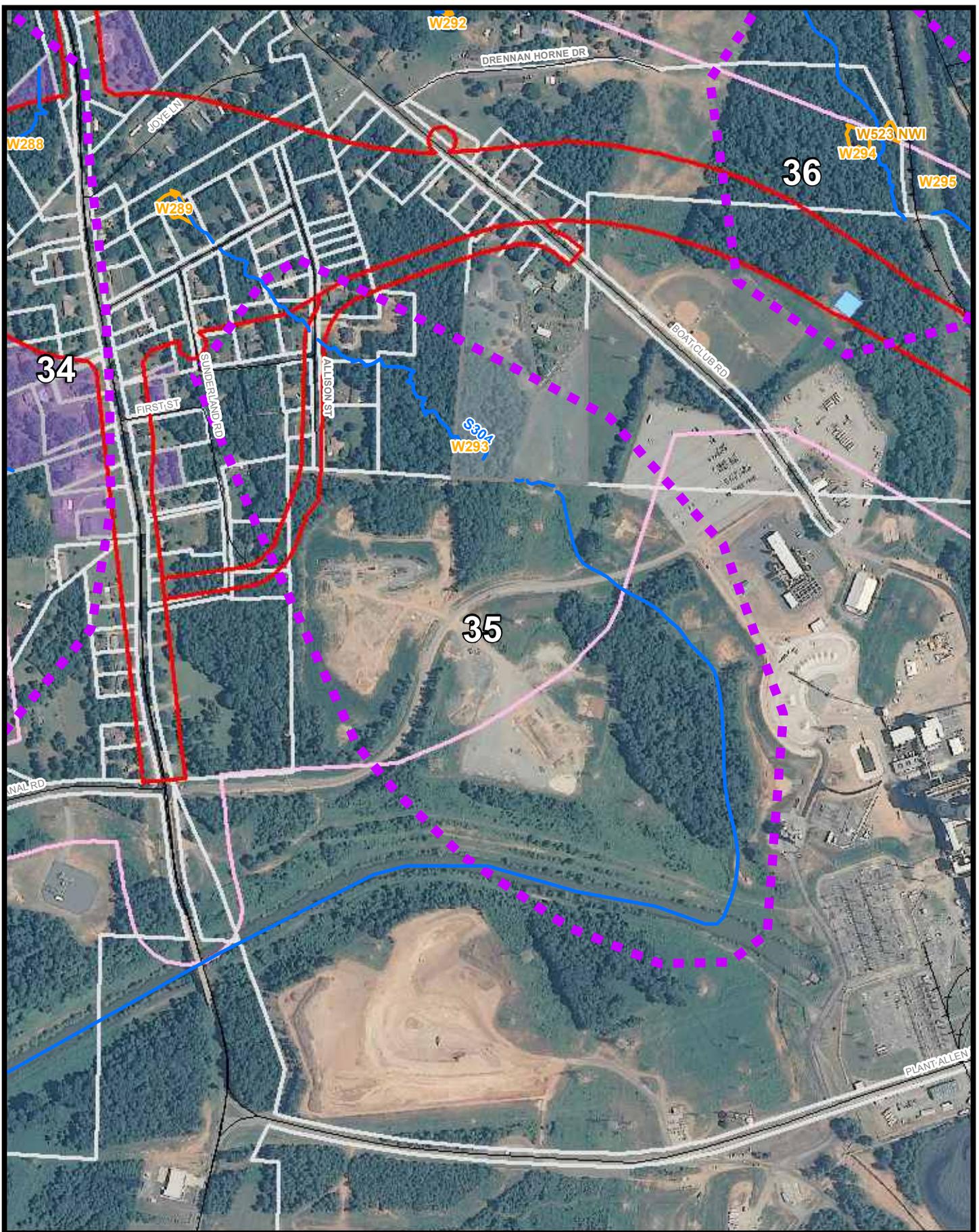
Streams	Wetlands	
<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Enhancement	<input type="checkbox"/> 303d Listed (2010)
<input type="checkbox"/> Restoration	<input type="checkbox"/> Restoration	<input checked="" type="checkbox"/> UT to 303d

Resource Summary: Total Stream Length: 868 Linear Feet Wetlands: 0 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S300	UT to South Fork Catawba River	I	Yes	230	ADJ
S300	UT to South Fork Catawba River	I	Yes	147	LL
S301	UT to South Fork Catawba River	I	Yes	167	LL
S301	UT to South Fork Catawba River	P	Yes	40	ADJ
S301	UT to South Fork Catawba River	P	Yes	213	LL
S301	UT to South Fork Catawba River	NO	Yes	488	ADJ
S301A	UT to South Fork Catawba River	I	Yes	49	LL
S301B	UT to South Fork Catawba River	I	Yes	22	LL

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Wetlands
- Roads
- BMP Opportunities

Site 35



Location: Site 35 is located in Gaston County, NC, south of the Drennan Horne Dr. and Boat Club Rd. intersection within the K3b corridor segment.

Site Description: Site 35 contains one stream tributary within commercial, residential and forested parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

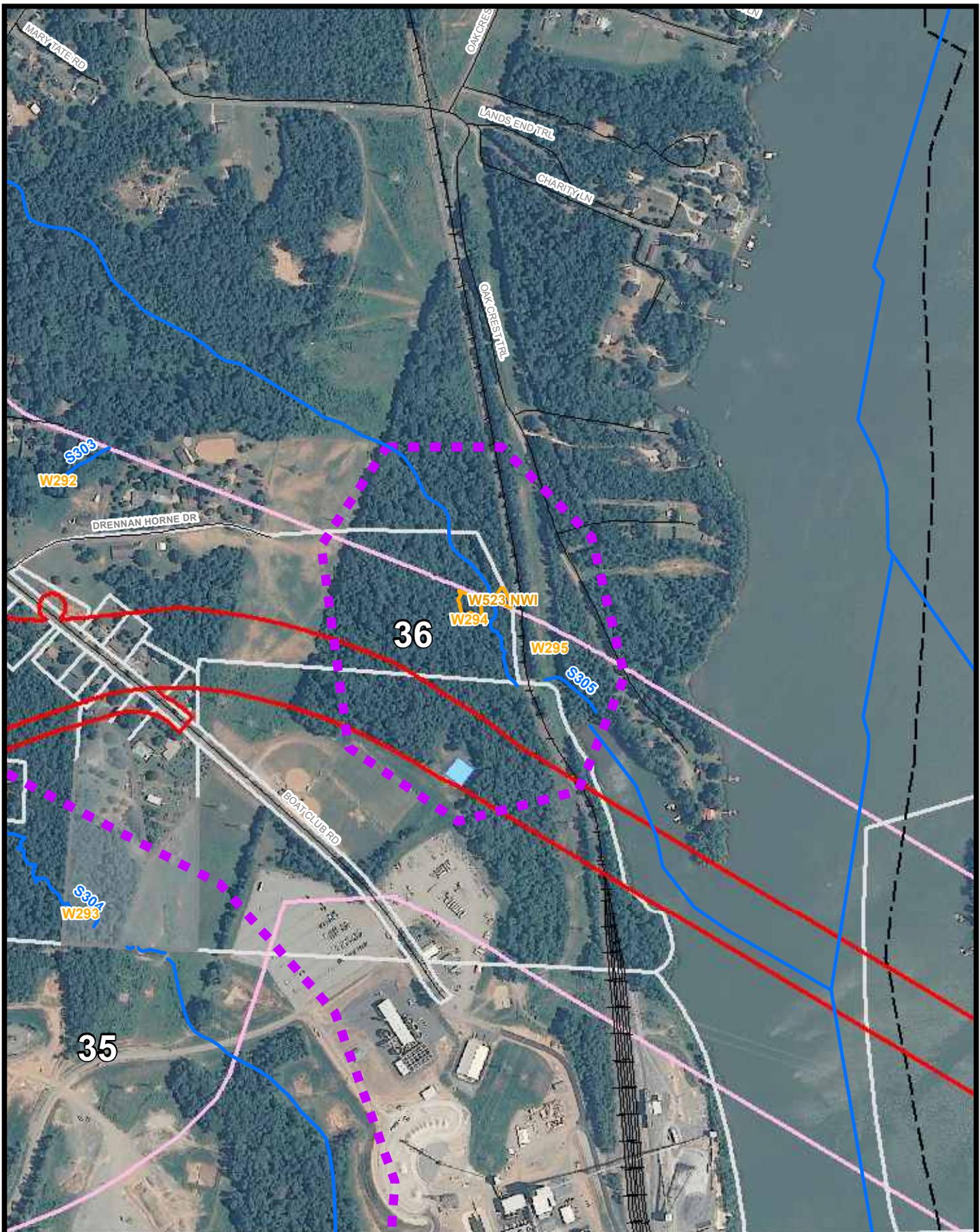
Streams	Wetlands	
<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Enhancement	<input type="checkbox"/> 303d Listed (2010)
<input type="checkbox"/> Restoration	<input type="checkbox"/> Restoration	<input checked="" type="checkbox"/> UT to 303d

Resource Summary: Total Stream Length: 2966 Linear Feet Wetlands: 0 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S304	UT to Catawba River	P	Yes	1115	ADJ
S304	UT to Catawba River	P	Yes	163	NA
S304	UT to Catawba River	NHD	Yes	1688	ADJ

Abbreviations			
P! Perennial	! I Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Wetlands
- Roads
- BMP Opportunities

Site 36



Location: Site 36 is located in Gaston County, NC, east of the Drennan Horne Dr. and Boat Club Rd. intersection along the K3b and K3c corridor boundary.

Site Description: Site 36 contains one stream tributary and two wetland systems within forested parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	Wetlands	
<input checked="" type="checkbox"/> Preservation	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Enhancement	<input type="checkbox"/> 303d Listed (2010)
<input type="checkbox"/> Restoration	<input type="checkbox"/> Restoration	<input checked="" type="checkbox"/> UT to 303d

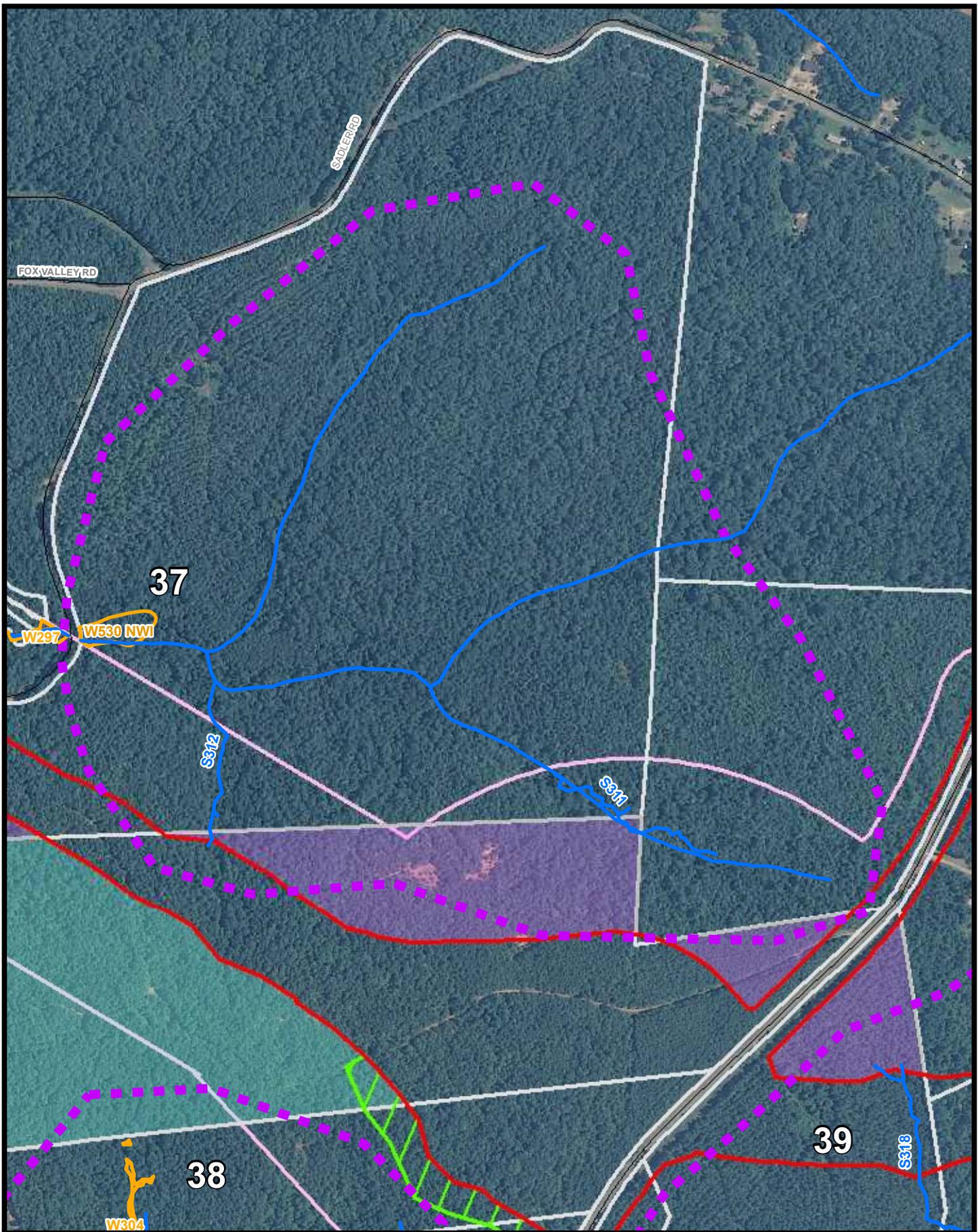
Resource Summary: Total Stream Length: 825 Linear Feet Wetlands: 1.53 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S305	UT to South Fork Catawba River	P	Yes	452	ADJ
S305	UT to South Fork Catawba River	NHD	Yes	373	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W294			0.18	ADJ
W522 NWI	PFO1/4A		1.35	ADJ

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Site Boundary
- Wetlands
- Streams
- Roads
- Access Road Right of Way
- Traditional On-Site Mitigation
- BMP Opportunities

Site 37



Location: Site 37 is located in Mecklenburg County, NC, southeast of the Fox Valley Rd. and Sadler Rd. intersection within the K3c corridor segment.

Site Description: Site 37 contains four stream tributary and one wetland system within forested, undeveloped parcels.

Parcel Types: Landlocked Landlocked With Access Adjacent Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> 303d Listed (2010)
		<input type="checkbox"/> Restoration	<input checked="" type="checkbox"/> UT to 303d

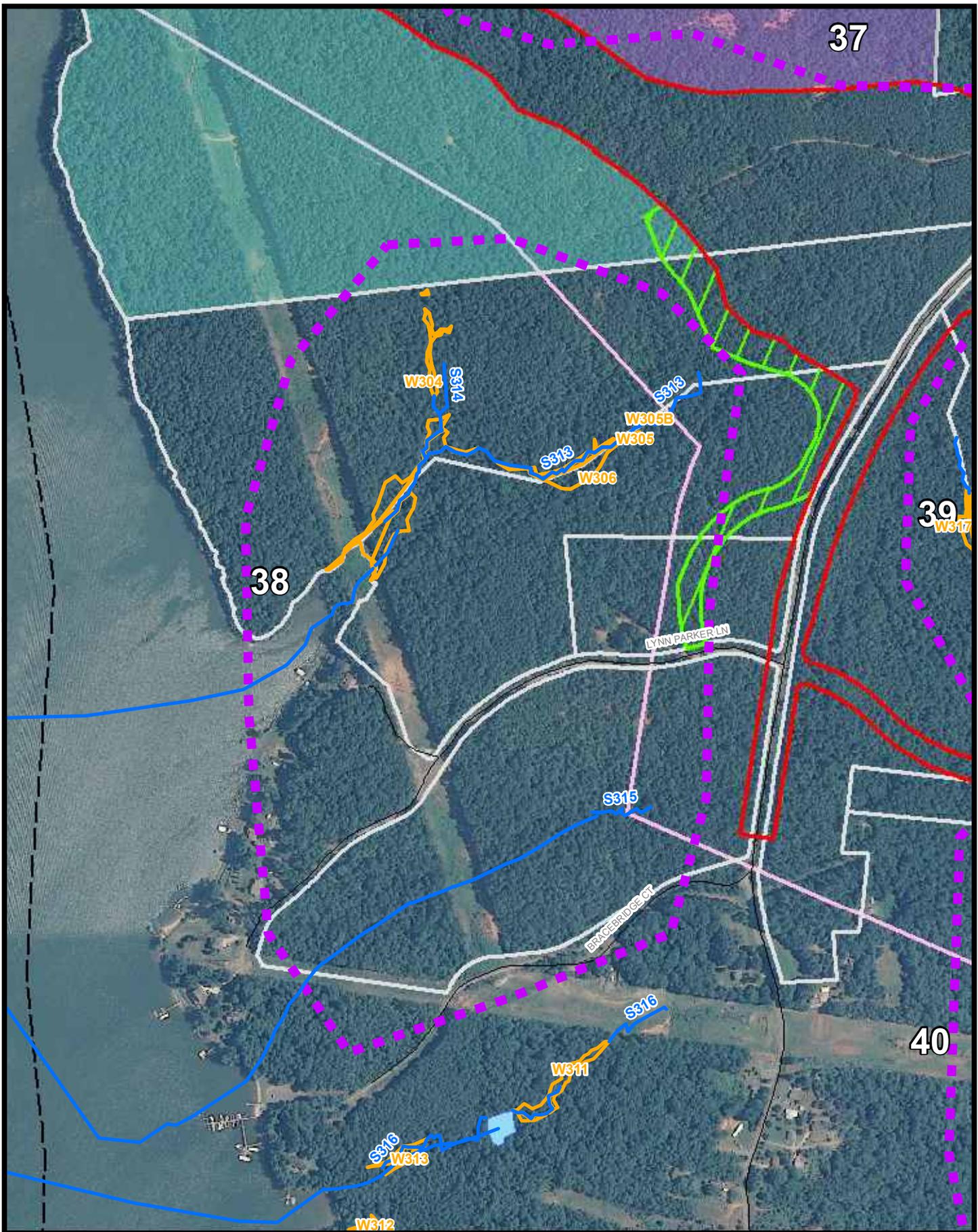
Resource Summary: Total Stream Length: 8032 Linear Feet Wetlands: 0.84 Acres
Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S311	UT to South Fork Catawba River	I	Yes	81	ADJ
S311	UT to South Fork Catawba River	P	Yes	781	ADJ
S311	UT to South Fork Catawba River	P	Yes	4	ADJ
S311	UT to South Fork Catawba River	P	Yes	136	LL
S311	UT to South Fork Catawba River	NHD	Yes	2397	ADJ
S311A	UT to South Fork Catawba River	I	Yes	60	ADJ
S312	UT to South Fork Catawba River	I	Yes	518	ADJ
S312	UT to South Fork Catawba River	P	Yes	213	ADJ
S312	UT to South Fork Catawba River	I	Yes	45	LL
S312	UT to South Fork Catawba River	I	Yes	2	ADJ
S312B	UT to South Fork Catawba River	I	Yes	25	ADJ
S509	UT to South Fork Catawba River	NHD	Yes	2532	ADJ
S510	UT to South Fork Catawba River	NHD	Yes	1238	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W530 NWI	PFO1Ch		0.84	ADJ

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

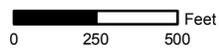
Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Wetlands
- Roads
- BMP Opportunities

Site 38



Location: Site 38 is located in Mecklenburg County, NC, west of the Lynn Parker Ln. and Dixie River Rd. intersection within the K3c corridor segment.

Site Description: Site 38 contains three stream tributaries and four wetland systems within forested and residential parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

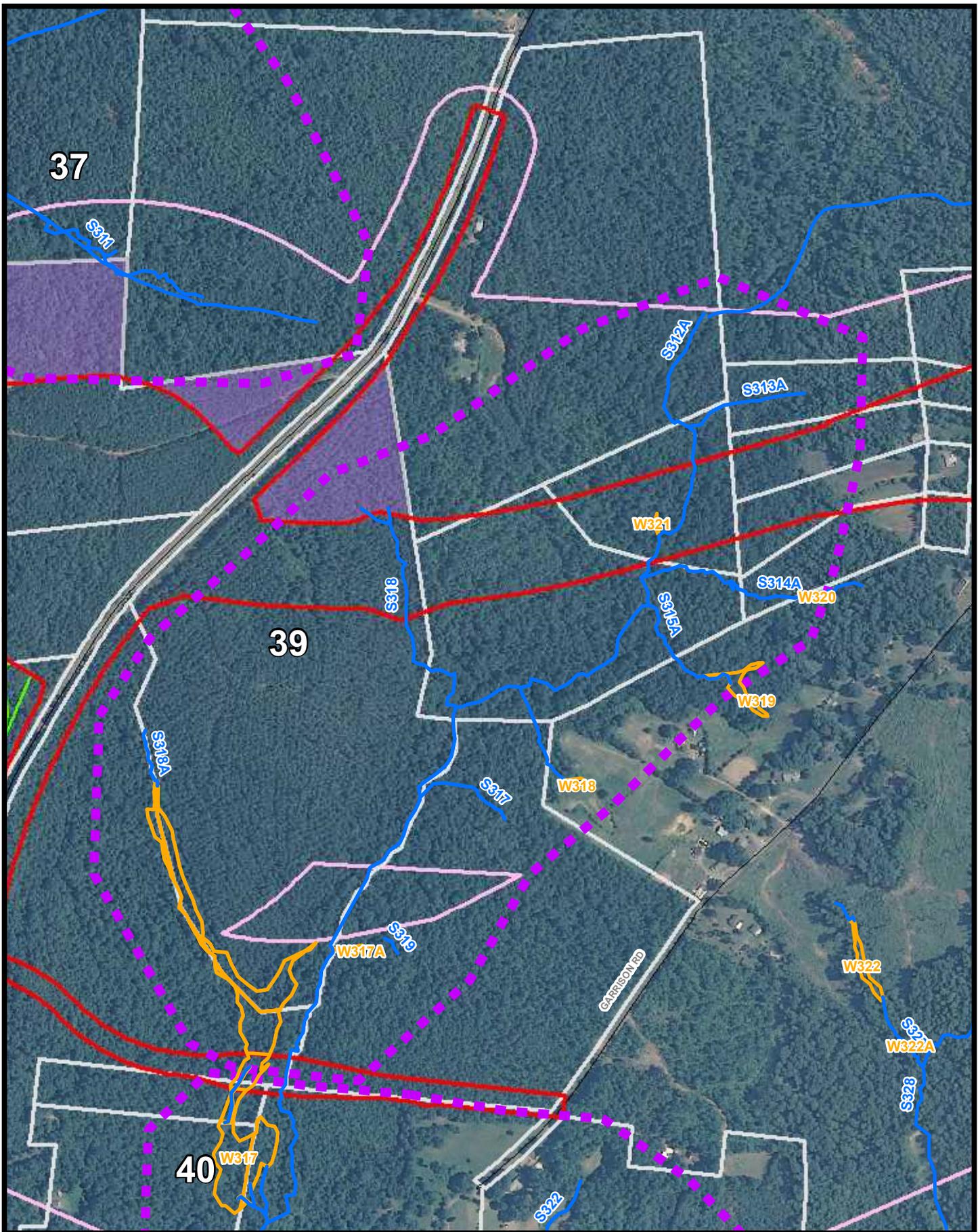
Resource Summary: Total Stream Length: 4534 Linear Feet Wetlands: 2.50 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S313	UT to South Fork Catawba River	I	Yes	324	ADJ
S313	UT to South Fork Catawba River	P	Yes	1644	ADJ
S313	UT to South Fork Catawba River	NHD	Yes	189	ADJ
S314	UT to South Fork Catawba River	I	Yes	591	ADJ
S315	UT to South Fork Catawba River	I	Yes	331	ADJ
S315	UT to South Fork Catawba River	NHD	Yes	1455	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W304			0.19	ADJ
W305			0.006	ADJ
W305B			0.008	ADJ
W305B			0.01	ADJ
W306			0.90	ADJ
W306			1.09	ADJ
W536			0.30	ADJ

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Wetlands
- Roads
- BMP Opportunities

Site 39



Location: Site 39 is located in Mecklenburg County, NC, northeast of the Lynn Parker Ln. and Dixie River Rd. intersection within the K3c corridor segment.

Site Description: Site 39 contains eight stream tributaries and one wetland system, with one stream and one wetland being a viable opportunity. The site is within forested and residential parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

Resource Summary: Total Stream Length: 73 Linear Feet Wetlands: 2.59 Acres
 Number of BMPs: 0

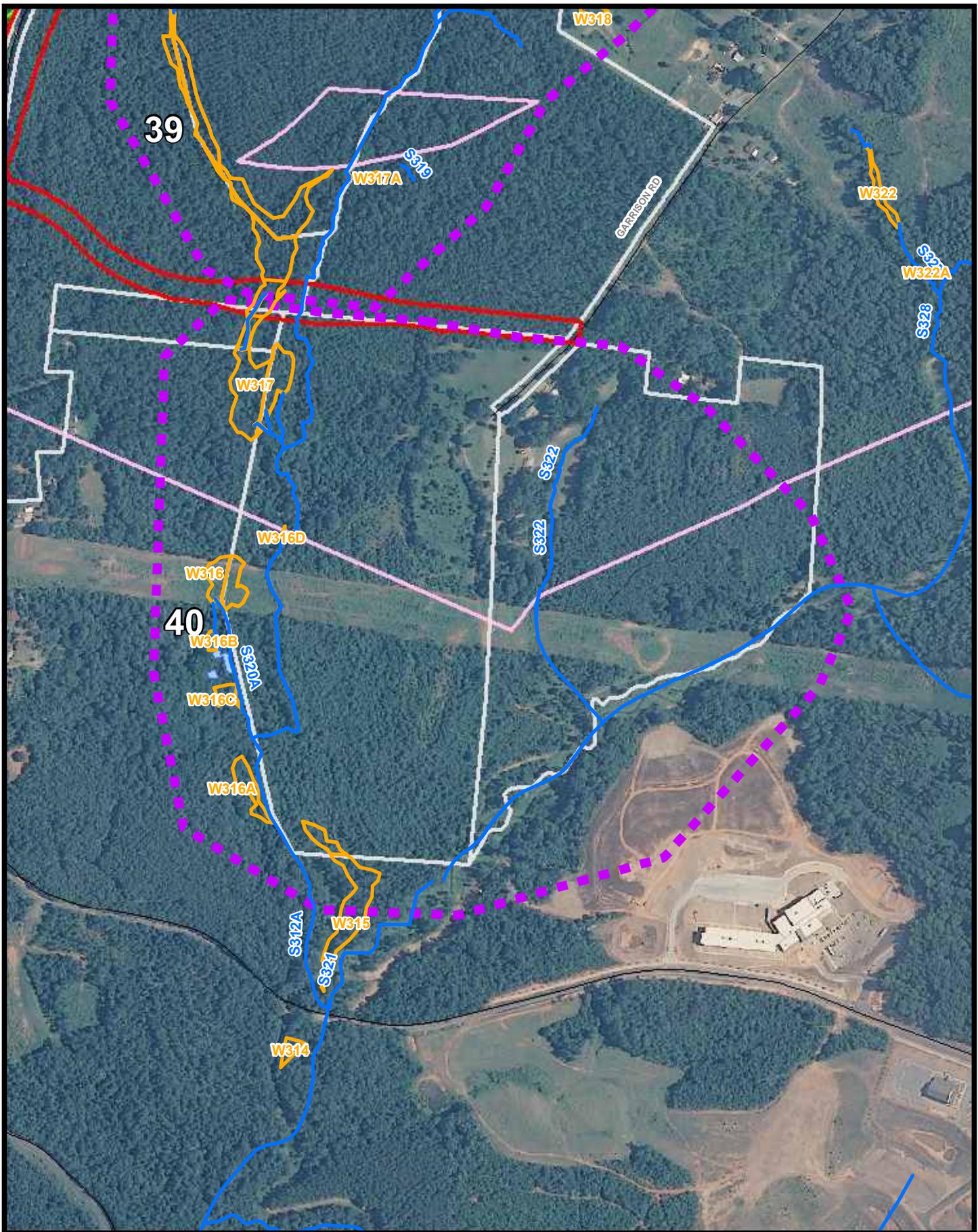
Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S312A	UT to South Fork Catawba River	NO		339	ADJ
S312A	Beaverdam Creek*	NO		3686	ADJ
S313A	UT to South Fork Catawba River	NO		571	ADJ
S314A	UT to South Fork Catawba River	NO		858	ADJ
S315A	UT to South Fork Catawba River	NO		293	ADJ
S316A	UT to South Fork Catawba River	NO		348	ADJ
S317	UT to South Fork Catawba River	NO		468	ADJ
S317	UT to South Fork Catawba River	NO		17	ADJ
S318	UT to South Fork Catawba River	NO		568	ADJ
S318	UT to South Fork Catawba River	I		26	LL
S318	UT to South Fork Catawba River	NO		49	ADJ
S318A	UT to South Fork Catawba River	NO		278	ADJ
S318B	UT to South Fork Catawba River	I		47	LL
S319	UT to South Fork Catawba River	NO		96	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W317			1.04	ADJ
W317			1.52	ADJ
W317A			0.03	ADJ
W317A			0.0001	ADJ

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ

*Beaverdam Creek is a tributary to Catawba River, which is 303d listed.



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Wetlands
- Roads
- BMP Opportunities

Site 40



Location: Site 40 is located in Mecklenburg County, NC, southeast of the Lynn Parker Ln. and Dixie River Rd. intersection within the K3c corridor segment.

Site Description: Site 40 contains four stream tributaries and three wetland systems within forested, residential and commercial parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

Resource Summary: Total Stream Length: 5566 Linear Feet Wetlands: 1.40 Acres
 Number of BMPs: 0

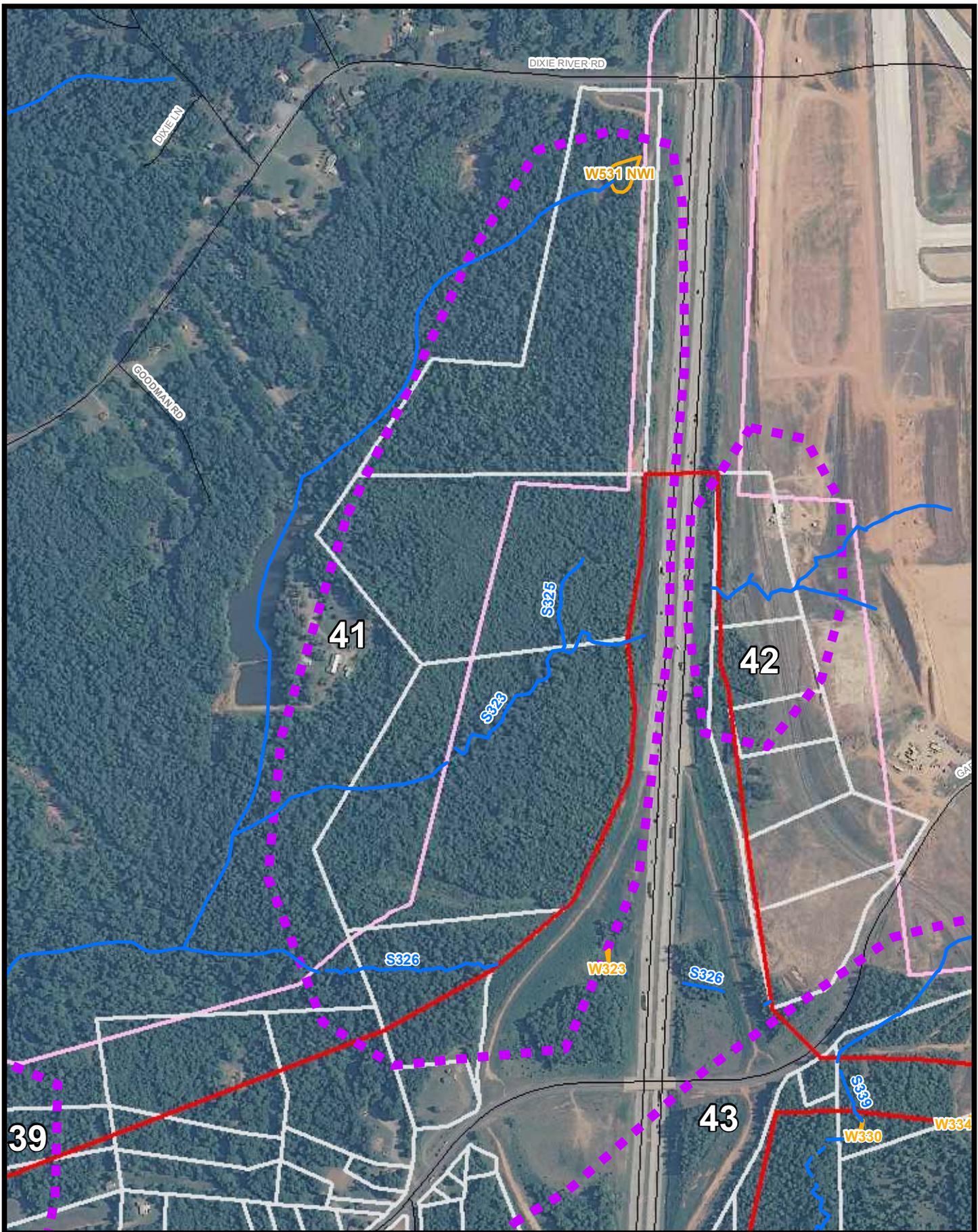
Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
312A	Beaverdam Creek*	P	Yes	2467	ADJ
S318A	UT to South Fork Catawba River	I	Yes	159	ADJ
S318A	UT to South Fork Catawba River	P	Yes	165	ADJ
S318C	UT to South Fork Catawba River	I	Yes	229	ADJ
S318D	UT to South Fork Catawba River	I	Yes	102	ADJ
S321	UT to South Fork Catawba River	NHD	Yes	827	ADJ
S322	UT to South Fork Catawba River	I	Yes	488	ADJ
S322	UT to South Fork Catawba River	P	Yes	554	ADJ
S322	UT to South Fork Catawba River	P	Yes	575	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W315			0.22	ADJ
W316			0.38	ADJ
W316D			0.004	ADJ
W317			0.16	ADJ
W317			0.64	ADJ

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ

*Beaverdam Creek is a tributary to Catawba River, which is 303d listed.



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

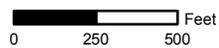
Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Wetlands
- Roads
- BMP Opportunities

Site 41



Location: Site 41 is located in Mecklenburg County, NC, southwest of the Dixie River Rd. and I485 intersection within the K3c corridor segment.

Site Description: Site 41 contains four stream tributaries and one wetland system within forested and residential parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

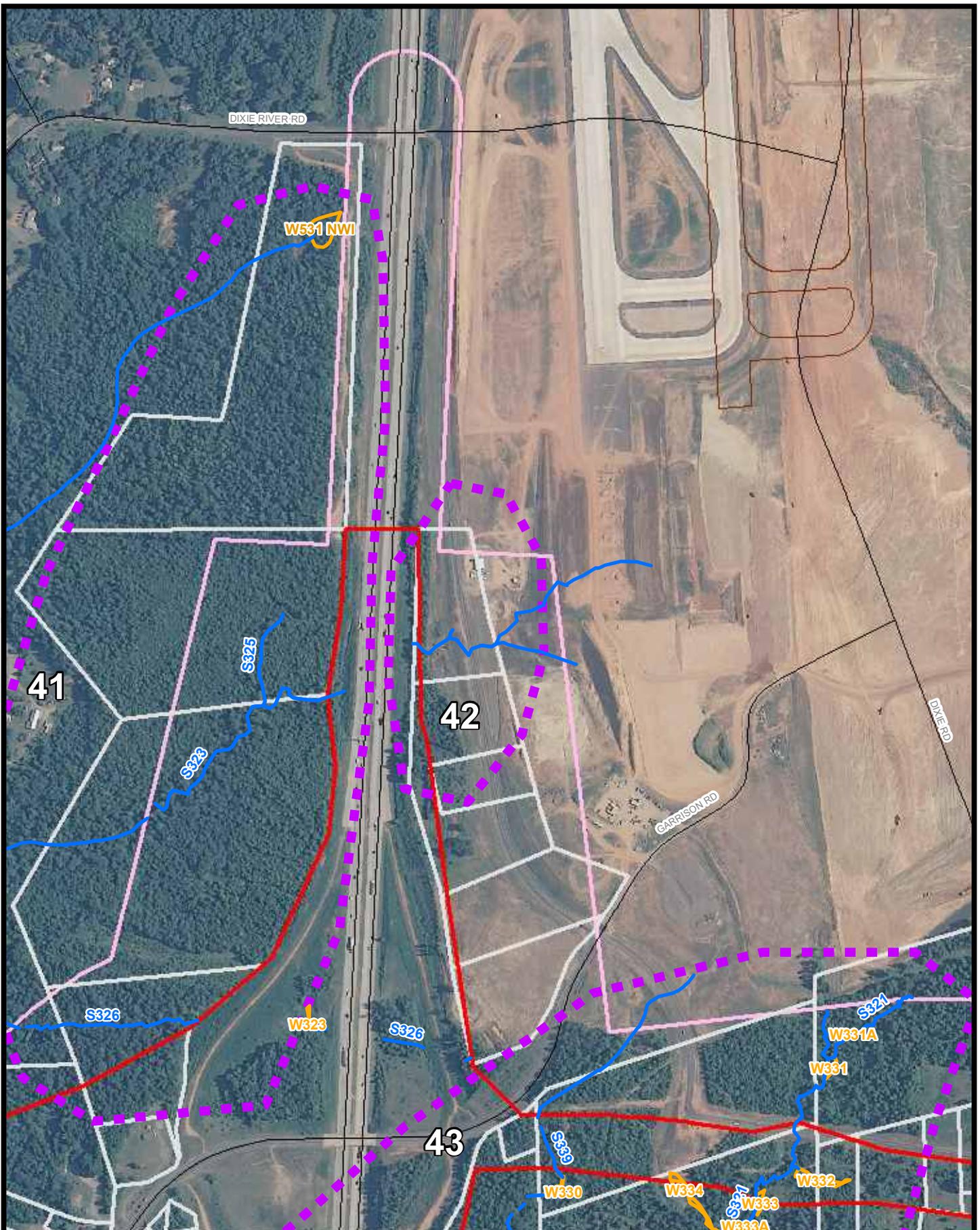
Resource Summary: Total Stream Length: 3051 Linear Feet Wetlands: 0.31 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S323	UT to South Fork Catawba River	P	Yes	1196	ADJ
S323	UT to South Fork Catawba River	NHD	Yes	468	ADJ
S325	UT to South Fork Catawba River	I	Yes	456	ADJ
S326	UT to South Fork Catawba River	P	Yes	647	ADJ
S511	UT to South Fork Catawba River	NHD	Yes	284	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W521 NWI	PSS1Ch		0.31	ADJ

Abbreviations			
P! Perennial	!! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ



GASTON EAST-WEST CONNECTOR
 STIP PROJECT NO. U-3321

Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Traditional On-Site Mitigation
- Site Boundary
- Streams
- Wetlands
- Roads
- BMP Opportunities

Site 42



Location: Site 42 is located in Mecklenburg County, NC, southeast of the Dixie River Rd. and I!485 intersection within the K3c corridor segment.

Site Description: Site 42 contains five stream tributaries within commercial parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	Wetlands	
<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Enhancement	<input type="checkbox"/> 303d Listed (2010)
<input type="checkbox"/> Restoration	<input type="checkbox"/> Restoration	<input checked="" type="checkbox"/> UT to 303d

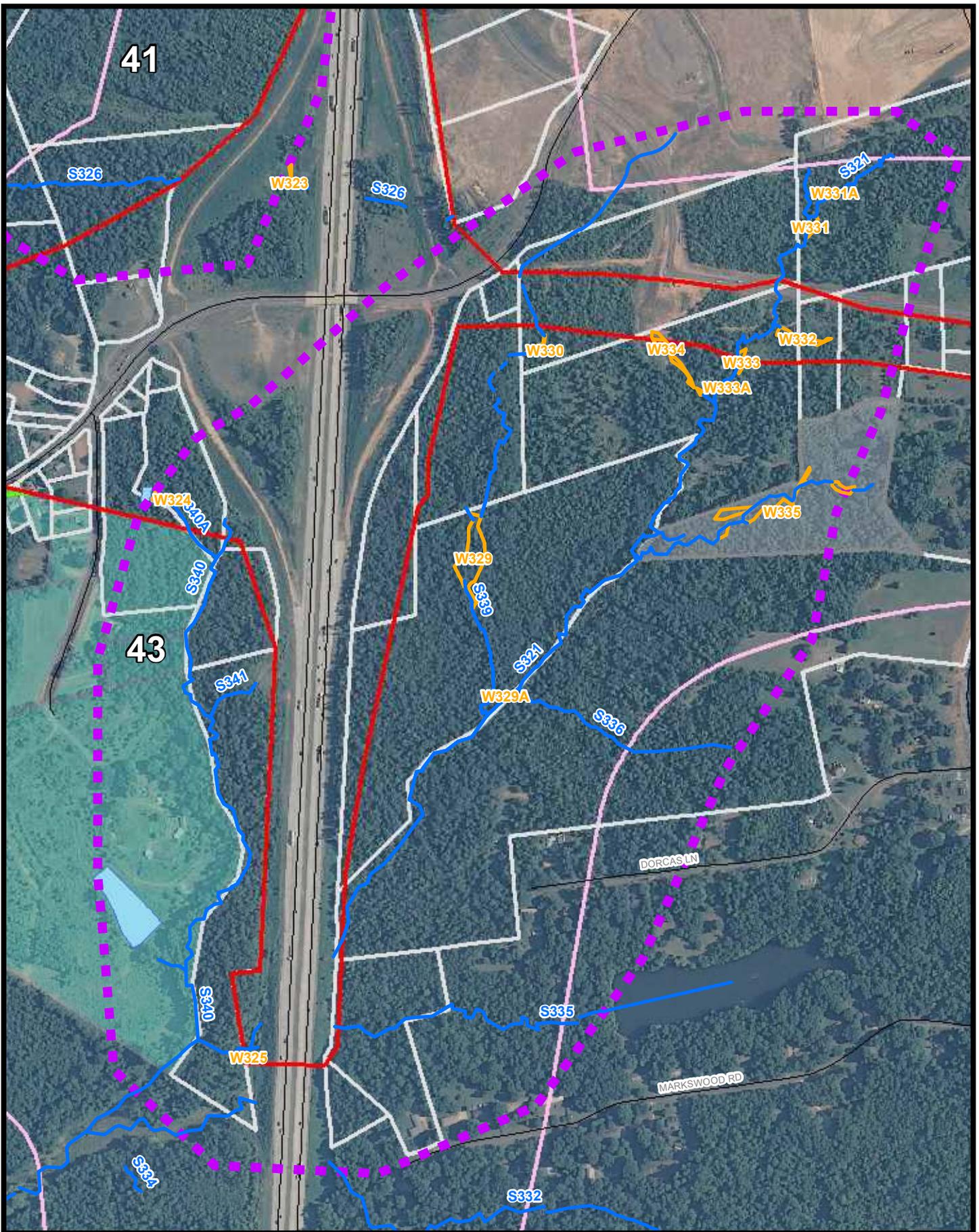
Resource Summary: Total Stream Length: 6529 Linear Feet Wetlands: 0 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S321	Legion Lake Stream*	P	Yes	4083	ADJ
S321	Legion Lake Stream*	P	Yes	274	ADJ
S323	UT to South Fork Catawba River	P	Yes	439	ADJ
S323A	UT to South Fork Catawba River	I	Yes	40	ADJ
S332	UT to South Fork Catawba River	P	Yes	158	ADJ
S335	UT to South Fork Catawba River	P	Yes	346	ADJ
S335	UT to South Fork Catawba River	P	Yes	104	ADJ
S340	UT to South Fork Catawba River	P	Yes	1085	LAA

Abbreviations			
PR! Perennial	IT! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ

*Legion Lake Stream is a tributary to Catawba River, which is 303d listed.



GASTON EAST-WEST CONNECTOR
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Stream and Wetland
 Mitigation Opportunities

Gaston County and Mecklenburg County

Legend

- Right of Way
- Parcels
- Landlocked Parcels
- Landlocked with Access Parcels
- Ponds
- Non-Adjacent Parcels
- Study Area Corridor
- Access Road Right of Way
- Wetlands
- Roads
- BMP Opportunities
- Site Boundary
- Streams
- Traditional On-Site Mitigation

Site 43



Location: Site 43 is located in Mecklenburg County, NC, southeast of the I485 and Garrison Rd. intersection within the K3c corridor segment.

Site Description: Site 43 contains seven stream tributaries and eight wetland systems within forested and residential parcels.

Parcel Types: Landlocked Adjacent
 Landlocked With Access Nearby

Types of Opportunities:

Streams	<input checked="" type="checkbox"/> Preservation	Wetlands	<input checked="" type="checkbox"/> Preservation	<input type="checkbox"/> BMP
<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> Enhancement	<input type="checkbox"/> Restoration	<input type="checkbox"/> 303d Listed (2010)
				<input checked="" type="checkbox"/> UT to 303d

Resource Summary: Total Stream Length: 5221 Linear Feet Wetlands: 0.90 Acres
 Number of BMPs: 0

Resource Details:

Stream ID	Stream Name	Type	303d	Length (LF)	Location
S321	UT to South Fork Catawba River	I	Yes	598	ADJ
S336	UT to South Fork Catawba River	I	Yes	546	ADJ
S336	UT to South Fork Catawba River	I	Yes	513	ADJ
S337A	UT to South Fork Catawba River	I	Yes	264	ADJ
S338B	UT to South Fork Catawba River	I	Yes	68	ADJ
S339	UT to South Fork Catawba River	I	Yes	1951	ADJ
S339A	UT to South Fork Catawba River	I	Yes	63	ADJ
S340	UT to South Fork Catawba River	I	Yes	751	LAA
S340A	UT to South Fork Catawba River	I	Yes	185	LAA
S341	UT to South Fork Catawba River	I	Yes	282	ADJ

Wetland ID	Attribute	Type	Area (AC)	Location
W325			0.007	ADJ
W329			0.56	ADJ
W329A			0.004	ADJ
W330			0.05	ADJ
W331			0.05	ADJ
W331A			0.009	ADJ
W333			0.03	ADJ
W333A			0.01	ADJ
W334			0.11	ADJ
W335			0.00002	ADJ
W523 NWI	PFO1Ah		0.07	ADJ

Abbreviations			
P! Perennial	! Intermittent	NO! No Opportunity	NHD! NHD Stream
ADJ! Adjacent	NA! Nearby/ADJ	LL! Landlocked	LLA! LL/ADJ
NS! Nearby Site	LLN! LL/Nearby	LWA! LL w/ Access	LAA! LWA/ADJ