Task A5b5 Wetlands Evaluation Report

TAMPA INTERSTATE STUDY

WPI No. 7140004, State Project No. 99007-1402, FAP No. IR-9999(43)

The project consists of approximately 12 miles (19.31km) of multi-lane improvements to I-275 from Dale Mabry Highway interchange north to Dr. Martin Luther King Jr. Boulevard and I-4 from I-275 (including interchange) to east of 50th Street (U.S. 41); a multi-lane controlled access facility (Crosstown Connector) on new alignment from I-4 south to the existing Tampa South Crosstown Expressway; and improvements to approximately 4.4 miles (7.08km) of the Tampa South Crosstown Expressway from the Kennedy Boulevard overpass east to Maydell Drive, Hillsborough County.

FLORIDA DEPARTMENT

OF

TRANSPORTATION

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1.0 INTRODUCTION

In 1987, the Greiner Team was contracted by the Florida Department of Transportation (FDOT) to develop a Master Plan (Phase I) for the Tampa interstate system. The purpose of Phase I of the Tampa Interstate Study (TIS) was to produce a Master Plan which identified possible improvements to I-275, I-4, and I-75 to accommodate traffic and transportation needs through the year 2010. Phase II of the TIS began in April 1989 and involves the preparation of the environmental documentation necessary for State and Federal approvals and funding for those concepts approved in Phase I of the TIS.

The purpose of this Wetlands Evaluation Report is to facilitate the integration of the National Environmental Policy Act (NEPA) and Section 404(b)(1) Guidelines with the intent of documenting acceptance or concurrence by various agencies responsible for permitting the project.

2.0 PROJECT NEED

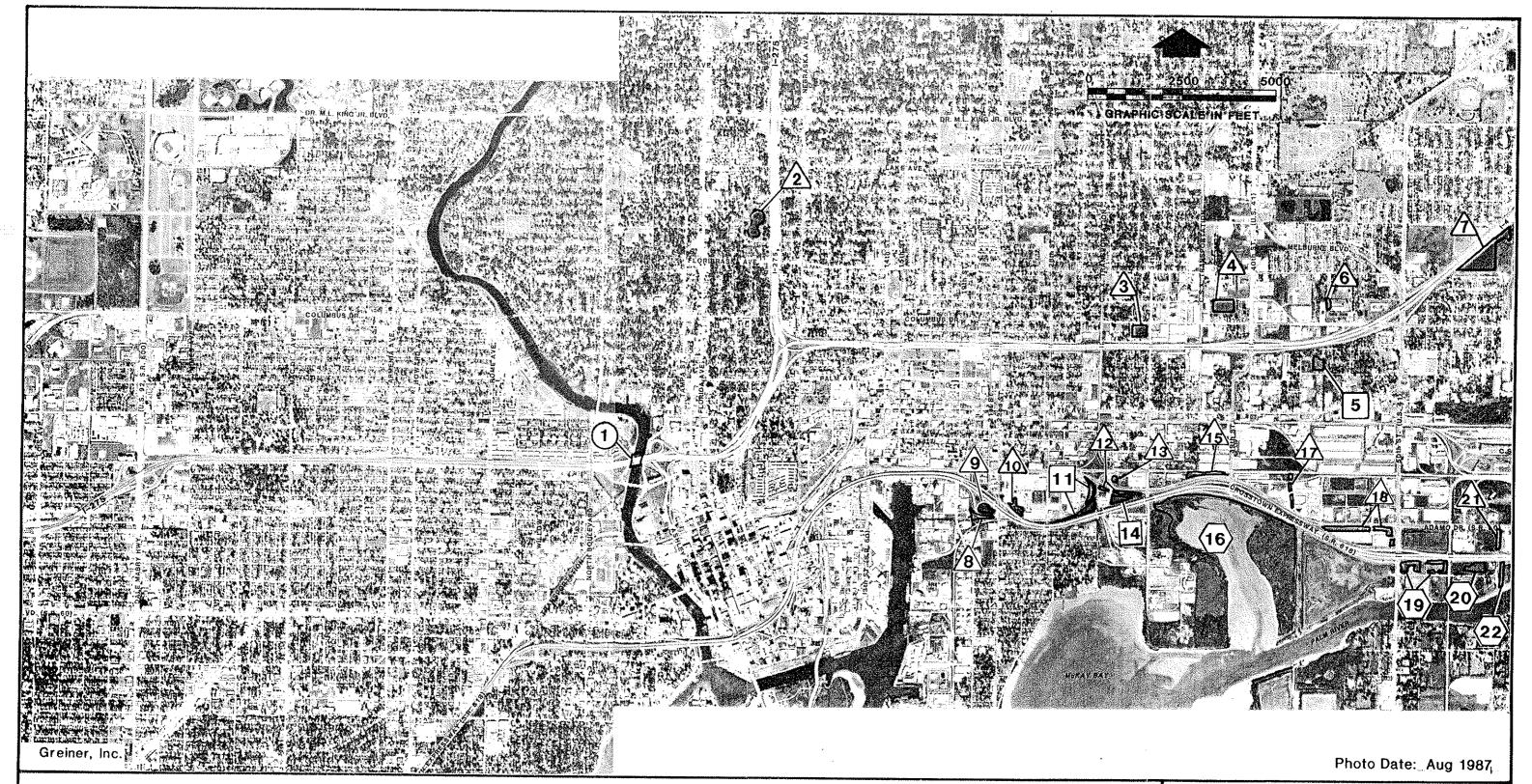
Year 2010 traffic projections indicate I-275 is anticipated to carry 124,000 vehicles per day (vpd) west of the proposed Veterans Expressway and 157,000 vpd east of the expressway. Using the 2010 forecast traffic volumes a "Tier Analysis" was conducted to consider, develop, and evaluate various roadway design concepts for the study area. As a result of this tier evaluation process, a Master Plan concept was recommended for this facility. The FHWA approved the Master Plan which details the project need as supported by traffic projections, safety information, network planning, land use information, and additional documentation.

3.0 WETLANDS IDENTIFICATION AND DELINEATION

In compliance with Executive Order 11990, the study area has been evaluated for the presence of wetlands which have the potential to be impacted by the proposed project. Field reviews of the project area were conducted in October 1990. The following summary provides a brief description of twenty-two wetland sites identified in the project area. Exhibit 1 locates each wetland site, and Table 1 lists the USFWS classification (Cowardin et al, 1979) and acreage of each site identified in the project area.

Wetland sites which will potentially be impacted by the proposed improvements were evaluated using the Wetlands Evaluation Technique (WET-II). Section 9.0 of this report describes the functions and values of the existing wetland systems, and evaluates the mitigation proposed to compensate for the loss of wetland functions and values.

- Site 1: Site 1 designates the Hillsborough River. The proposed project traverses a highly disturbed portion of the river which has concrete seawalls along its banks. The river is approximately 40 feet wide at this location. A 40-foot-wide by 1,000-foot-long portion of the Hillsborough River exists within the project right-of-way.
- Site 2: Site 2 designates a 4.5-acre pond at Robles Park, north of Floribraska Avenue. This pond collects stormwater and also functions as the focal point for park visitors.
- Site 3: Site 3 is a stormwater basin located north of I-4 and west of 34th Street. A concrete outfall structure exists in the northeast corner of this 3.5-acre basin. The basin is comprised of various sedges, rushes, and water tolerant grasses. It appears that this pond is regularly maintained. During field reviews, a crew planting cypress trees was observed.
- Site 4: Site 4 is an undeveloped, rectangular parcel existing north of I-4 and west of 40th Street. This 4.1-acre parcel is comprised of low, grass-like wetland species and contained several inches of standing water at the time of field review.
- Site 5: Site 5 is a disturbed forested wetland located north of 10th Avenue and east of 43rd Street in a primarily residential neighborhood. The dominant vegetation in this system includes laurel oak (Quercus laurifolia), red maple (Acer rubrum), elderberry (Sambucus canadensis), and primrose willow (Ludwigia sp.).



LEGEND

- O Portion of the Hillsborough River
- ☐ Areas Heavily Impacted by Surrounding Development
- Site Designation
- Estuarine Wetlands

FLORIDA DEPARTMENT OF TRANSPORTATION

WETLANDS EVALUATION REPORT

TAMPA INTERSTATE STUDY PHASE II

PHASE II Hillsborough County, Florida

WETLAND INVENTORY

EXHIBIT 1

TABLE 1

EXISTING WETLANDS Tampa Interstate Study - Phase II

<u>Site</u>	USFWS NWI Classification(1)	Existing System Area (Acres)
1	EIUBL (Estuarine, Subtidal, Unconsolidated Bottom, Subtidal)	9.2
2	PUBH (Palustrine, Unconsolidated Bottom, Permanently Flooded)	4.8
3	PEMIC (Palustrine, Emergent, Persistent, Seasonally Flooded)	3.5
4	PEMIC (Palustrine, Emergent, Persistent, Seasonally Flooded) ⁽²⁾	4.2
5	PFO3/1A (Palustrine, Forested, Broad-leaved Evergreen/Deciduous, Temporarily Flooded)	1.4
6	PUBHx (Palustrine, Unconsolidated Bottom, Permanently Flooded, Excavated)	0.5
7	L1UBH (Lacustrine, Limnetic, Unconsolidated Bottom, Permanently Flooded)	55.0
8	PEMIC (Palustrine, Emergent, Persistent, Seasonally Flooded) ⁽²⁾	1.4
9	PUBHx (Palustrine, Unconsolidated Bottom, Permanently Flooded) ⁽²⁾	2.0
10	PUBHx (Palustrine, Unconsolidated Bottom, Permanently Flooded) ⁽²⁾	1.3
11	PUBH (Palustrine, Unconsolidated Bottom, Permanently Flooded)	2.4
12	R2UBHx (Riverine, Lower Perennial, Unconsolidated Bottom, Permanently Flooded, Excavated)	1.4
13	PUBFx (Palustrine, Unconsolidated Bottom, Semi- permanently Flooded, Excavated)	0.4
14	PUBHx (Palustrine, Unconsolidated Bottom, Permanently Flooded, Excavated)(2)	1.3

TABLE 1

EXISTING WETLANDS Tampa Interstate Study - Phase II (Continued)

<u>Site</u>	USFWS NWI Classification(1)	Area (Acres)
15	R2UBHx (Riverine, Lower Perennial, Unconsolidated Bottom, Permanently Flooded, Excavated) ⁽²⁾	0.9
16	E2SS3U (Estuarine, Intertidal, Scrub/ Shrub, Broad-leaved Evergreen, Unknown)	*
17	PEM1C (Palustrine, Emergent, Persistent, Seasonally Flooded) ⁽²⁾	0.7
18	PUBHx (Palustrine, Unconsolidated Bottom, Permanently Flooded) ⁽²⁾	2.2
19	E2SS3U (Estuarine, Intertidal, Scrub/ Shrub, Broad-leaved Evergreen, Unknown)	3.4
20	E2SS3U (Estuarine, Intertidal, Scrub/ Shrub, Broad-leaved Evergreen, Unknown)	3.4
21	L1UBH (Lacustrine, Limnetic, Unconsolidated Bottom, Permanently Flooded) ⁽²⁾	0.5
22	E2SB3M (Estuarine, Intertidal, Streambed, Mud, Irregularly Exposed)	0.7

⁽¹⁾ United States Fish and Wildlife Service, National Wetlands Inventory Classification System-Tampa Quadrangle, December 1982 and Gandy Bridge Quadrangle, December 1982.

⁽²⁾ Classified by Greiner, Inc. using the USFWS NWI Classification System.

^{*} Part of the Tampa Bay Estuarine System.

- Site 6: Site 6 is a 0.5-acre open water pond located in a commercial area north of I-4 and west of U.S. 41.
- Site 7: Site 7 includes man-made borrow pits located south of I-4 and east of U.S. 41. The majority of this area could not be accessed because it is fenced by the property owner due to contamination of soil. The site is presently being monitored by the U.S. Environmental Protection Agency. This large open water area is bordered by dense vegetation including: cattail (<u>Typha</u> sp.), water hyacinth (<u>Eichhornia crassipes</u>), Brazilian pepper (<u>Schinus terebinthifolius</u>), wax myrtle (<u>Myrica cerifera</u>), and laurel oak. The entire system is approximately 55 acres, 10 acres of which falls within the project right-of-way.
- Site 8: Site 8 is comprised of a series of drainage channels located south of the Crosstown Expressway exit ramp to 22nd Street. These channels are used to convey runoff from adjacent impervious areas to the south-east and eventually discharge into McKay Bay. Dominant vegetation present within these areas consist of early colonizing species such as cattail and primrose willow.
- Site 9: Site 9 is an open-water borrow pit located between the Crosstown Expressway and its exit ramp to 22nd Street. The banks of this pit are regularly maintained with minimal wetlands vegetation along its outer edge.
- Site 10: Site 10 consists of a man-made pond located north of the Crosstown Expressway and between 22nd and 26th Streets. Much of this pond is open water, however, an outer band of wetland vegetation consisting of early colonizing species is present. Dominant species include cattail, primrose willow, and Brazilian pepper.
- Site 12: Site 12 is a concrete channel south of and parallel to S.R. 60. It begins east of the railroad tracks and flows into McKay Bay. Existing vegetation above the concrete top of bank include Brazilian pepper, cabbage palm (Sabal palmetto), salt bush (Iva frutescens), and other species tolerant of disturbance. During field reviews water in this concrete channel exhibited signs of degraded water quality such as floating trash, heavy sedimentation, and an oily film on the water surface. Although several seagulls and a great egret were observed at this location, the poor condition of the wetland limits the habitat value of this area.
- Site 13: Site 13 designates a man-made pond within the Linde Natural Gas property located north of S.R. 60 and west of 34th Street. The banks of this pond are regularly maintained as lawn; however, a limited amount of herbaceous vegetation is present in the shallow pond edges. Approximately 0.1-acre of this 0.4-acre pond is within the project right-of-way.
- Sites 11 and 14: Sites 11 and 14 are undeveloped parcels of land which have been segmented by the construction of the Crosstown Expressway and the CSX Railroad tracks. The sites are located south of S.R. 60 and north of the Crosstown Expressway. These sites are dominated by such species as Brazilian pepper, salt bush, and broom sedge (Andropogon glomeratus). Site 14 is 1.3 acres and is located closer to McKay Bay than Site 11, which is approximately 2.4 acres.
- Site 15: Site 15 is a man-made drainage channel located east of 34th Street and north of the Crosstown Expressway. This channel is presently used to convey runoff, from impervious areas north of the project area, to McKay Bay. Vegetation within this system is limited to the channel banks and is comprised of species such as cattail, Brazilian pepper, and elderberry.

Site 16: Site 16 is McKay Bay and its associated mangrove and smooth cordgrass wetlands. This section of the Tampa Bay system is known to be heavily utilized as feeding areas for multiple species of wading and shore birds. During the alternatives phase of the project, great care was taken to avoid impacts to this system, and as designs, the proposed project will not impact this extensive wetland system.

Site 17: Site 17 is a man-made drainage ditch located west of 45th Street. This ditch presently conveys water from areas located north of the Crosstown Expressway to McKay Bay. Dominant vegetation within this channel is comprised of cattail, primrose willow, and Brazilian pepper.

Site 18: Site 18 consists of a series of interconnected drainage ditches located south of Adamo Drive (S.R. 60) and west of 50th Street (U.S. 41). These ditches are dominated by early colonizing species such as cattail, primrose willow, and Brazilian pepper.

Site 19: Site 19 consists of disturbed estuarine wetlands located south of the Crosstown Expressway and between the CSX Rail Road and 50th Street. These areas appear to be remnants of an historic section of McKay Bay which was filled sometime in the past. Dominant vegetation within these areas are comprised of Brazilian pepper and cabbage palms, with lesser amounts of smooth cordgrass (Spartina alterniflora) and black mangroves (Avicennia germinans). This wetland system will not be impacted by the proposed project.

Site 20: Site 20 consists of brackish water wetland located south of the Crosstown Express and east of the CSX Railroad. This system is comprised of high marsh areas dominated by sea-side paspalum (Paspalum vaginatum) and saltgrass (Distichlis spicata), with multiple sand flats interspersed throughout. Site 20 will not be impacted by the project.

Site 21: Site 21 is a man-made ditch system located north of the Crosstown Expressway and east of Site 20. This ditch carries stormwater runoff to the south and discharges under the Expressway into Site 22. This drainage ditch is dominated by early succession wetlands species such as primrose willow, elderberry, and cattail.

Site 22: Site 22 is an extension of Site 21 located on the south side of the Crosstown Expressway. This ditch is a brackish water channel with little to no wetlands vegetation present. No impacts to this channel will occur as a result of the constuction of the project.

4.0 ALTERNATIVES ANALYSIS

The preferred alternative for the TIS project which was analyzed in the Master Plan evolved through a process which began by the FDOT in 1983. Several alternatives were considered including a No-Action Alternative, Multi-Modal alternatives, and Construction Alternatives. The Preferred Alternative consists of approximately 12

miles (19.31 km) of multi-lane improvements to I-275 from Dale Mabry Highway interchange north to Dr. Martin Luther King, Jr. Boulevard and I-4 from I-275 (including the interchange) to east of 50th Street (U.S. 41); a multi-lane controlled access facility (Crosstown Connector) on new alignment from I-4 south to the existing Crosstown Expressway; and improvements to approximately 4.4 miles (7.08 km) of the Crosstown Expressway from the Kennedy Boulevard overpass east to Maydell Drive.

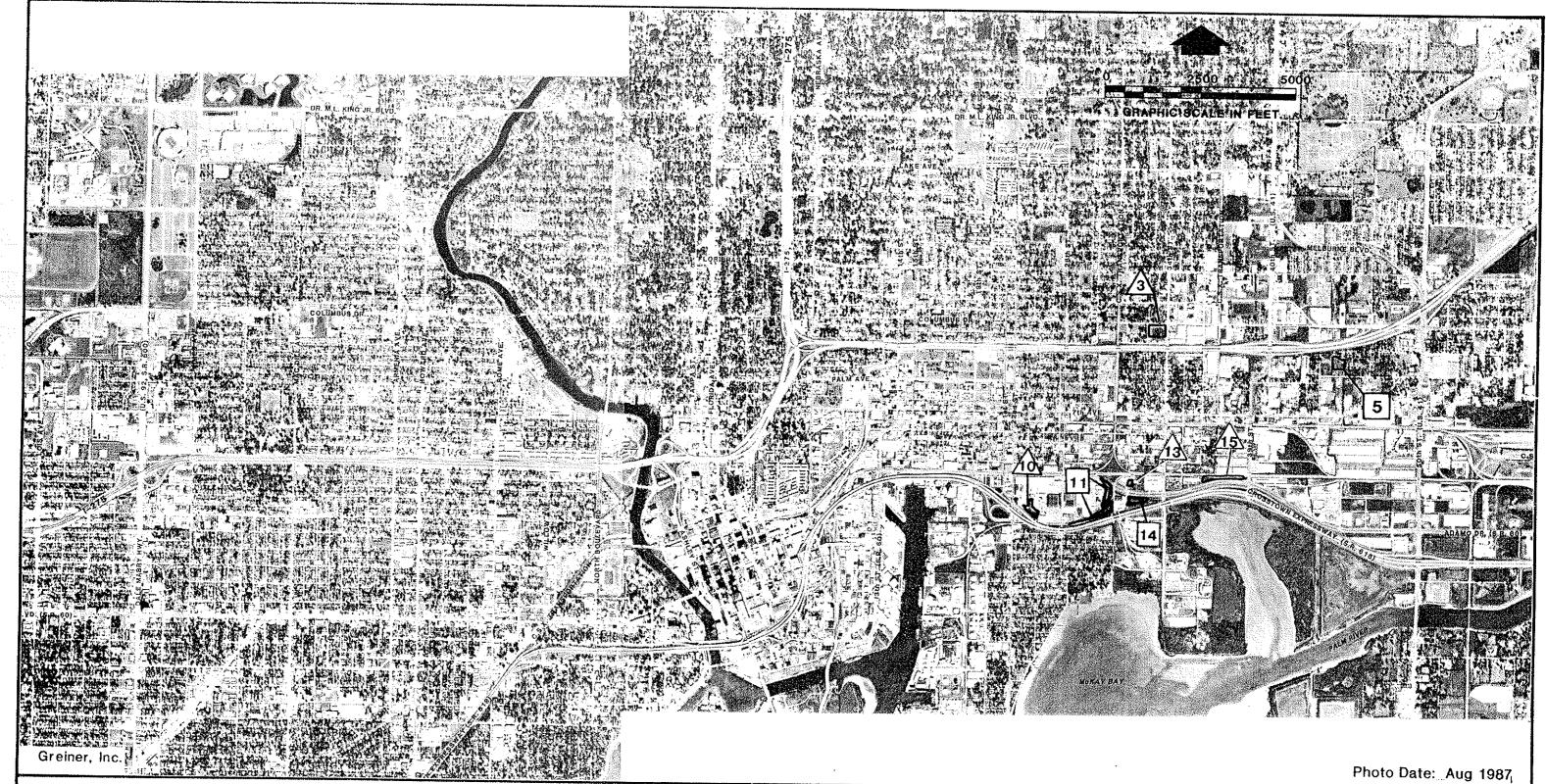
The selection of the preferred alternative followed a three-tier analysis of alternatives, agency coordination, and public workshops. The Tampa Interstate Study Master Plan presents a detailed analysis of the alternatives selection process.

5.0 WETLANDS IMPACT ASSESSMENT

Existing wetland sites within the proposed right-of-way may potentially be disturbed as a result of roadway construction. Table 2 lists the potential area of impact to each site proposed for disturbance. These sites are located on Exhibit 2. These wetland sites will be affected primarily by filling activities necessary to widen the existing roadway and to construct new roadway. In some areas, drainage systems along the corridor will be modified. Drainage structures which traverse the roadway will likely require the extension of existing culverts or their replacement with new culverts. A discussion of the type of proposed impact to each site follows. Detailed descriptions of these wetland sites are provided previously in Section 1.0.

Site 3: Approximately 0.6 acres of this 3.5-acre stormwater basin is proposed for disturbance.

Site 5: Approximately 0.1 acres of this 1.4-acre system may be disturbed by the construction of a stormwater management pond proposed for this area.



LEGEND

Man-made Basins and Ditches

Areas Heavily Impacted by Surrounding Development

FLORIDA DEPARTMENT OF TRANSPORTATION

WETLANDS EVALUATION REPORT TAMPA INTERSTATE STUDY

PHASE II Hillsborough County, Florida

WETLAND IMPACTS

EXHIBIT 2

TABLE 2

POTENTIAL WETLAND IMPACTS
Tampa Interstate Study - Phase II

<u>Site</u>	USFWS NWI <u>Classification(1)</u>	Potential Area of Impact (Acres)	Existing Area (Acres)	g System Percent to be impacted	Remaining Area (Acres)
3	PEMIC	0.6	3.5	17	2.9
5	PFO3/1A	0.1	1.4	7	1.3
10	PUBHx	0.2	1.3	15	1.1
11	PUBH	0.9	2.4	38	1.5
13	PUBFx	0.4	0.4	100	0
14	PUBHx	0.3	1.3	23	1.0
15	R2UBHx	0.04	0.9	<u>4</u>	0.86
	TOTAL	2.54	11.2	23	8.66

⁽¹⁾ United States Fish and Wildlife Service, National Wetlands Inventory Classification System-Tampa Quadrangle, December, 1982 and Gandy Bridge Quadrangle, December, 1982. See Table 1 for explanations of USFWS Classifications.

⁽²⁾ Classified by Greiner, Inc. using the USFWS NWI Classification System.

Site 10: Approximately 0.2 acres of this pond will be filled in order to construct the westbound off-ramp from the Crosstown Expressway to 22nd Street.

Site 13: This 0.4 acre open water drainage facility will be replaced by a stormwater management pond to be developed to treat stormwater runoff associated with the proposed Crosstown Connector/Crosstown Expressway interchange.

Sites 11 and 14: Approximately 0.9 acres of Site 11 and 0.3 acres of Site 14 will be disturbed by proposed ramps. These proposed ramps will be bridge structures supported by pilings.

Site 15: Approximately 0.04 acres of this 0.9 acre drainage channel will be impacted due to the construction of a retaining wall along the northern outside lanes of Adamo Drive (S.R. 60).

6.0 AVOIDANCE AND MINIMIZATION ANALYSIS

Steps taken to avoid or minimize wetland impacts included the utilization of a comparative analysis known as the "three-tier analysis". This analysis enabled the study team to compare each alternative based on potential impacts to various key factors, including wetlands. The three-tier analysis is presented in the TIS Master Plan, available for review under separate cover.

Although some man-made wetlands will be impacted, it is important to protect remaining man-made wetlands from degradation during the construction phase. Best Management Practices and FDOT Standard Specifications will be used during construction to control soil erosion and pollutant runoff. These measures may include:

- * hay bales
- * siltation fences
- * seed or mulch over bare soil areas
- * sediment basins
- * swales or grassed waterways
- * storm sewer inlet protection

7.0 COORDINATION

Permits will be required from the U.S. Army Corps of Engineers pursuant to Section 404 of the Clean Water Act, as codified as 33 CFR Part 323, for discharges of dredged or fill material into waters of the United States, which include wetlands. Additional permits for activities which impact wetlands may also be required from the following state and local regulatory agencies:

- * Florida Department of Environmental Protection (DEP)
- * Southwest Florida Water Management District (SWFWMD)

Regulatory agencies were contacted regarding this project during the Advanced Notification process. The DEP indicated that permits will be required prior to start of construction. Detailed coordination with regulatory agencies regarding impacts to wetlands will occur during the permitting phase of the proposed project.

8.0 CONCEPTUAL MITIGATION

Wetlands which will be disturbed consist soley of man-made ponds and ditches. It is anticipated that mitigation for impacts on a one-to-one replacement ratio would be accepted by the permitting agencies. Disturbance of these areas will be mitigated by constructing additional ponds or ditches to replace lost stormwater treatment volume or to treat newly created runoff. These ponds will contain littoral shelves vegetated with wetland species. These created wetland areas will replace the approximately 2.54 acres of wetlands proposed for disturbance.

The exact ponds which will be used in the development of the final plan are not known at this time. The ponds to be used, as well as the type and amounts of planting, will be determined during the permitting phase of the project. The mitigation concept used for this project is a standard concept which targets the primary function of the wetlands to be impacted (i.e., water treatment and attenuation) and which has been accepted in the past by the state and federal permitting agencies.

Due to the level of development within the project area and the excessive cost of right-of-way, the number of mitigation approaches available for this project were limited. Because of this, the use of stormwater ponds as a means to compensate for wetland impacts was selected. This decision was supported by the results of the WET-II analyses completed for the wetlands impacted by the proposed project; that is, the use of stormwater ponds allowed for replacement of the wetlands primary functions (i.e., water treatment and attenuation) while minimizing right-of-way costs.

9.0 WET-II ANALYSIS

WET-II Analyses - In order to determine the qualitative value of wetlands proposed for impact, the Wetlands Evaluation Technique (WET-II) was performed on five wetlands representative of the seven wetland sites which will be impacted by the proposed project. WET-II evaluates functions and values in terms of social significance (value of a wetland to society), effectiveness (capability of a wetland to perform a function), and opportunity (the opportunity of a wetland to perform a function to its level of capability). Utilizing WET-II, wetlands proposed for impact were analyzed to determine their value with respect to hydrologic (e.g. floodflow alteration), wildlife (e.g. wildlife diversity/abundance), and social (e.g. recreation)

functions. The wetlands used in these analyses were Sites 3 (Palustrine Emergent), 5 (Palustrine Forested), and Sites 10, 11, and 14 (Palustrine Unconsolidated Bottom).

Results of the WET-II analyses indicated that the primary functions performed by the wetlands proposed for impact were water quality treatment and/or water quantity attenuation. Wildlife and social functions for all sites analyzed ranked low or moderate. This was anticipated due to the type and location of the areas proposed for impact.

As discussed above, wetlands proposed for impact are comprised of man-made stormwater ponds (Sites 3, 10 and 13) and remnant wetland areas isolated or segmented by previous construction (Sites 5, 11, 14 and 15). Because of this, these areas are dominated by early successional vegetation and/or are heavily impacted. As a result, the ability of wildlife to utilize them is limited. In addition, wetlands of this type provide little to no recreational value and are not unique to the area (i.e. social significance).

Stormwater retention and/or detention ponds will be constructed to offset the loss of water quality treatment resulting from the proposed roadway expansion. The creation of these ponds should replace the values which were found to be high or moderate by the WET-II model.

APPENDIX WET-II ANALYSIS EVALUATION RESULTS

Summary of Evaluation Results for "TISCISZ"

	Social		
	gnificance	Effectiveness	Opportunit
Ground Water Recharge	New Market		
Ground Water Discharge	M. S.		
Floodflow Alteration	M		
Sediment Stabilization	Maria Maria	Maria Maria	
Sediment/Toxicant Retention	M		
Nutrient Removal/Transformati	on M		M
Production Export	*		****
Wildlife Diversity/Abundance	M	*	Y
Wildlife D/A Breeding	*		
Wildlife D/A Migration	*	L.	
Wildlife D/A Wintering	*		
Aquatic Diversity/Abundance	И	L	
Uniqueness/Heritage	M	*	*
Recreation			
	网络沙漠山 化双氯 使用有效的 化邻氯苯甲基乙烯 化多氯化物		化电子电子 医阿尔耳氏征 计自身电路 医氯化二烷酸盐 电电路

Note: "H" = High, "M" = Moderate, "L" = Low, "U" = Uncertain, and "*" 's identify conditions where functions and values are not evaluated.

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7.0	n		12Ca(w) n	(b) satisfies
\$3	n	7 2 1 n	12Ca(d) - n	$\operatorname{LGBd}(\mathcal{C}) > n$
8.7	- 11		120b(x) - n	138d(w) - n
医乳毒素 美国体验 化氯甲亚氯甲磺胺 美国民族	:11	100	12Cb(w) - r	13Bd(d) = n
: 11	n	100 - n	12Cb(d) - n	13Be (3c) - 2 m
"我我们就没有不好的,我们还是不好的。"	- 11	10C - n	120c(x) = n	IJBe(W) ii
113		1 00 n	12Cc(w) - n	13Be $(d) = n$
s14 ·	and the free side	10E - n	12Cc(d) n	130(x) = 0
\$15	1 2 2 3 4 2 4 4 1 1	10F n	12 Cd(x) \cdot n	130(M) H
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3 617		11(w) n	12Cd(d) - n	1300(0) 1
\$18	and the territory of the control of	11(d) - n	120(x) - y	13Ca(w) - n
\$17	and the second of	12A(x) - n	12D(w) y	13Ca(d) - n
s20 -	e elitare e tar	12A(w) - n	120(d) - y	$13\mathrm{Gb}(\mathbf{x})$ n
821 ~	77、安东州 有点点	12A(d) - n	12Da(x) - y	13Cb(w) - n
622 ~		12Aa(x) - n	12Da(w) y	13Cb (d) - n
\$23	Andreas Contract	12Aa(w) - h	12Da(d) - y	13Cc(x) - n
s24 -	a an all and a second	12Aa(d) = n	12Db(x) - n	13Cc(w) - n
a25 -		12Ab(x) - n	120b(w) - n	13Cc (d) - n
s26 -	经存货债券 医氯化	12Ab(w) - n	12Db(d) ~ n	130d(x) = n
527	a marana na mata	12Ab(d) - n	12E(x) - n	130d(w) n
s28 -		12Ac(x) - n	1.2E(w) - n	13Cd(d) - n
s27 -		12Ac(w) - n	12E(d) - n	13D(x) n
\$20 ~		12Ac(d) - n	13A(x) - n	130(w) - n
831 +		12Ad(x) - n	13A(w) - n	13D(d) - n
	n	12Ad(w) - n	13A(d) = n	17Da(x) - n
1.2 -		12Ad(d) - n	13Aa(x) - n	13Da(w) - n
1.3		12Ae(x) n	13Aa(₩) ~ n	130a(d) - n
2.1.1 ~		12Ae(w) - n	13Aa(d) - n	130b(x) - n
2.1.2 -		12Ae(d) = n	13Ab(x) = n	130b(w) - n
2.1.3 -		12B(x) - n	13Ab(w) - n	130b(d) - n
2.2.1 *		12B(w) - n	13Ab(d) - n	13E(x) - n
2.2.2		128(d) - n	13Ac(x) n	$13\mathbb{E}(\mathbb{W})$ - n
3.1		12Ba(∞) - n	13Ac(w) - n	13E(d) - n
3.2	n	12Ba(w) - n	13Ac(d) - n	14.1(x) n
3.3		12Ba(d) - n	13Ad(x) ** n	14.1(w) - n
4.1		12Bb(x) n	13Ad(w) - n	14.1(d) - n
4.2A		12Bb(w) n	13Ad(d) = n	14.2(x) - n
4.28	医阿尔二氏反射 医二氯化	128b(d) - n	13Ae(x) - n	14.2(w) n
4.20 ÷	and the second second	12Bc(x) - n	13Ae(w) - n	14.2(d) - n
4.2D -		12Bc(w) n	13Ae(d) - n	15.1A - y
5.1.1 -		12Bc(d) - n	13B(x) - n	15-18 - n
5.1.2		12Bd(x) - n	13B(w) - n	15.1C n
5.2	化氯甲基酚 医线点	12Bd(w) - n	13B(d) - n	15.2 - i
blank -	计算机电子 克尔克	12Bd(d) - n	13Ba(x) - n	16A(x) - y
6.1 -	n	12Be(x) - n	13Ba(w) - n	16A(w) - y

			중요한다 하를 하지만 하면 하는 것이 하는 것이 되었다. 그런 사람들은 사람들이 되었다.
16A(d) ~ y	z = 31.3(x) = y	36.1.1(x) = y	438(d) = n
16B(x) - r		36.1.1(w) - y	430(8)
16B(W) - h		36.1.1(d) - y	$asc(\mathbf{w}) = \mathbf{n}$
108(d) - r		36.1.2(x) - n	430(d) - n
160(%)		36.1.2(w) - n	43D(x) = n
160(w) - r	经共享的 医水溶液 医大性 医性视点 医克里特氏氏征 医克里特氏征 医二氯磺胺二氢二氯基苯酚 经共享主任 电	36.1.2(d) - n	430(W) - n
	医双头形成形式 医骶骨髓 化对邻甲基氯化物 医多孔皮上部 化二氯化物 医水杨醇 化二氯化 化三氯化物 化二氯化物 化二氯化物 化二氯	36.2.1(x) - y	430(d) - n
160(d) - r		36.2.1(w) - y	$a\overline{z}\overline{z}(\overline{x}) = 0$
17 - 1	"我们就是我们的,我们的,我们就是一个时间,我们就是一个时间,我们就是一个时间,我们就是这个人,我们就是一个人,我们就是一个人。"	36.2.1(d) - y	43E(W) - n
18 - 1			43E(d) n
19.1A - t		36.2.2(x) - y	43F(x) - n
19.1B - r		36.2.2(w) - y	
19.2 - 1		36.2.2(d) - y	43F(w) - n
19.3 - 1		36.2.3(x) - n	43F(d) - n
20.1 - r		36.2.3(w) − n	43G(x) - n
20.2 - i		36.2.3(d) - n	43G(w) - n
21A - r		77 T	43G(d) - n
21B - y	医大门氏虫虫 医结肠性 医内脏 化二甲酚 化二氯甲酚 医二氯甲酚 医二氯甲酚 医二氯甲酚 化二甲酚 医动物	38.1 - n	43H(x) - y
210 ~ r		38.2 - n	43H(w) ~ y
21D - t		38.3 m	43H(d) - y
21E - r		38.4 ~ n	43I(x) - n
22.1.1 - r	i 31.6D(d) − n	38.5 - n	431(w) - n
22.1.2 - i	31.6E(x) - n	38.6 - n	431(d) - n
22.2 - r	31.6E(w) - n	38.7 - n	44A(x) - n
22.3 r		38.8 - i	44A(w) - n
23 - r		39 - n	44A(d) - n
24.1 - i	32B - n	40.1 - n	44B(x) - n
24.2 - r	"我们的,我们就是我们的,我们的,我们就是一个人的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是一个人的,我们就是	40.2 - y	44E(w) - n
24.3 - r		41.1 - 1	44B(d) = n
24.4 - r		41.2 · i	44C(x) = n
2425	经 大家 网络大大 化二氢 不 经经济公司 医二氯 化二氯化物 化二氯化物 经证券 医二氯 化二氯化物 化二氯化物 医二氯化物 医二氯化物	42.1.1(x) - y	44C(w) - n
25.1 - 3	32 G - n	42.1.1(w) ~ y	44C(d) = n
25.2A - r		42.1.1(d) - y	44D(x) - n
25.28 - y		42.1.2(x) - n	44D(w) - n
25.3 - r		42.1.2(w) - n	44D(d) - n
26.1 - r		42.1.2(d) - n	44E(x) - n
26.2 - i		42.1.3(x) - n	44E(w) - n
26.3 - r	化对抗性性 化电子 网络克雷克 医皮肤 医皮肤 电影 医克克特 电极电流 化电流电流 化二氯化二氯化二氯化二氯化二氯化二氯化二氯化二氯化二氯化二氯化二氯化二氯化二氯化	42.1.3(w) - n	44E(d) - n
27.1 - y		42.1.3(d) - n	44F(x) - n
27.2 - 1		42.2.1(x) - n	44F(w) - n
27.3 - y		42.2.1(w) - n	$44\Gamma(d) - n$
28 - r		42.2.1(d) - n	44G(x) = n
29.1 - n		42.2.2(x) n	44G(W) n
29.2 - y	医乳毒素 医多元素 医大型 化二氢 化二氢 化二氢 化二氢 化二氢 化二氢化二氢化二氢化二氢化二氢化二氢化二氢化二氢化二氢化二氢化二氢化二氢化二氢	42.2.2(w) - n	44G(d) - n
$3\hat{O}(\hat{x}) - \hat{y}$	"车"的"三"的"车",在"车","车"等,连"车"的"车","车"。"车","车","车"。"车","车","车","车","车","车","车","车","车","车",	42.2.2(d) - n	44H(x) - y
ZO(W) - Š		42.2.3(x) - n	44H(w) - ý
30(d) - y	医多性性病 化氯苯基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲	42.2.3(w) - n	44H(d) - y
31.1(x) - n		42.2.3(d) - n	441(x) - n
31.1(W) - n		43A(x) - n	441(W) - n
31.1(d) - n		43A(w) - n	$44\hat{1}(\hat{d}) - n$
31.2(x) - n		43A(d) - n	45A - y
31.2(W) - n		43B(x) - n	45B - n
"我们的我们的,我们就是我们的一种,我们的我们的我们就是不是好的。"		43B(W) - n	450 - h
31.2(d) - n		A COLOR OF	

WET Answer Dataset for "TISE153"

	450	11	48B(w)	n	3 42 2 (X)			555.0	u u
	456	n	48B(d) -	11	49.2(W)	•••	'n	55 4	k.f.
	45F	'n	48C(x)	n	49.2(d)		n	56.1	u
	45G -	i)	48C(W) -	rı .	49.3(x)		t	56.2	, u
	46A(X) -	y	(48C(d) *	r) .	49.5(w)		ti de la companya di salah di		· · · · · · · ·
Į,	46A(W) -	У	48D(x) -	n	49.3(d)		'n	5,7 0	(1)
	46A(d) -	y	48D(w) -	- 11	50(x)		n .	5.6	
	46B(x) -	'n	48D(d) -	i ir	50(w)		\mathbf{n}	59.1	11:
	468(w) ~	n	48E(x) ~	n	50(d)	V	h	57. 2	, U
	46B(d) -	11	48E(W)	'n	51.1			60	11
	46C(x) -	n	48E(d) -	n	51.2		u	14	t)
	46C(w) ~	11	48F(x) -	11	52.1		u	62	~ U
	460(d) ~	n	48F(w) -	n	52.2		u	67.1	÷ 11
	47A ~	y	48F(d) -	11	53.1		U. S.	63.2	~- L.I
	470 -	n	49.1.1(%) -	n	53.2		u sa	7.4	w U
	47C -	'n	49.1.1(w) -	ΪÌ	54(x)		u		2
	48A(x) -	У	49.1.1(d) -	rı :	54(w)		u	1	11
	48A(w) ~	У	49.1.2(x) -	rı	54(d)	u,	u	2	~ n
	48A(d) -	У	49.1,2(W) -	n	55.1		U	化双对极色 医内侧直肠管 化二氯化	'n
	48B(x) -		49.1.2(심) +	n	55.2		u Name of the second	4	- m

Summary of Evaluation Results for "TISE135"

Social

	Significance	Effectivencs	Opportunity
Ground Water Recharge	M	U	
Ground Water Discharge	M		
Floodflow Alteration	Market Market		
Sediment Stabilization	M .		
Sediment/Toxicant Retention			
Nutrient Removal/Iransforma			M
Production Export		M	
Wildlife Diversity/Abundanc			
Wildlife D/A Broading			
Wildlife D/A Migration			

Wildlife D/A Wintering

Uniqueness/Heritage

Recreation

Aquatic Diversity/Abundance

Note: "H" = High, "M" = Moderate, "L" = Low, "U" = Uncertain, and "*" s identify conditions where functions and values are not evaluated.

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11

M

L.

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12Be(w) = 0
                                                                     530a (d) = 0
                          \epsilon : \mathbb{R} \to \mathbb{R}
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                                                                                i D
                            7 - i
    32 - 11
                                             12Be(d) * n
                                                                     1331 (x) S
    នុស្ស 🗝 🕦
                          8.1 - n
                                              120(x)
                                                                    1.52b(w):
                                                        TE
                                                                                11
                          \varepsilon. 2 - 0
                                              1.20(w) - 0
                                                                     1300(d)
    $4 - 11
                                                                                11
                          8.3 - 0
                                              120(d)
                                                                    Table (186)
    s5 ~ n
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                          £ 4 * V
                                             12Ca(x) ii
                                                                    TSRC(W)
    36 - n
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    s.7
                          9.1 - v
                                             120a(w) - n
                                                                    13Ne (d)
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                          9.2 -
    38 -
                                 T):
                                             12Ca(d) -
                                                        Ťī.
                                                                    \pm 38d(x) = \pm
         11
                          9.3 - n
                                             120b(x)
                                                                    (w)bacr
    39 - n
                                                        ÎΈ
                          10A
                                             12Cb(w) - h
                                                                    ibad(d) e
  \approx 10 - n
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                          TOB ~
                                             \pm 20b(d) =
                                                                    130e (E):
  ::11 - n
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                                                                                Ή
                          10C - n
                                             120c(x)
                                                        11
                                                                    135e(w)
                                                                                11
  s12 - n
                          100
                                             12Cc(w)
                                                                    138e(d)
  s13 - n
                                 11
                                                                                s14 - n
                          10E - n
                                             120c(d) n
                                                                     1.30(x) =
                                                                                11
  315
                                             120d(x) - n
                                                                     100(w) -
                          10F
                                             12Cd(₩) - n
                                                                     1.3C(d) -
  s16 - n
                       11(x) - n
  :17 - n
                       LL(w) \sim n
                                             12Cd(d) ~
                                                                    130a(x):
  s18 - i
                       11(d) - n
                                              L2D(x) - n
                                                                    130a(w) -
                                                                                m
                                              12D(W) -
  s10 - n
                                                                    {\tt 130a}({\tt d})
                      12A(x) -
                                                        Ti
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                                 1
  s20 - n
                                              12D(d) = n
                                                                    130b(x) -
                      12A(w) - y
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  321 - n
                                             12Da(x) - n
                                                                    13Cb(w)
                                                                                n
                     12Aa(x) ~
                                             120a(w)
                                                                    13Ch(3) -
  $22 "
         ាំ
                                 TY.
                     12Aa(w) - n
                                             12Da(d) -
                                                                    L3Cc(x) =
  s23 - n
                                                        11
  s24 - n
                     12Aa(d) - n
                                             12Db(x) -
                                                                    JJCc(₩) – n
                                             12Db(w) - n
                     12Ab(x) ~ n
                                                                    130c(d) -
  s25 ~ n
                                                                                11
                                                                    130d(x) = n
  s26 - n
                     12Ab(w) - n
                                             12Db(d) - n
                                                                    13Cd(w) - n
  s27 - n
                     12Ab(d) ~
                                              12E(x)
  s28 - n
                     120c(x) - n
                                              12E(W) - h
                                                                    130d(d) - n
  s29 -
                     12Ac(w) -
                                              12E(d) - n
                                                                     130(x) -
         V
                                Ħ
                                                                                V
                     12Ac(d) - n
  s30 -
                                              13A(X) 😁
                                                                     13D(w) - y
         У
  531 - y
                     12Ad(x) - n
                                              13A(w) -
                                                                     13D(d) -
                                                        V
                                                                               V
                     12Ad(w) -
  1.1 - n
                                              13A(d) -
                                                                    130a(x) -
                                n
                                                        У
  1.2 - y
                     \pm 2Ad(d) - n
                                            130a(x)
                                                                    130a(w):
                                                        11
                                                                                У
                     12Ae(x) -
                                            13Aa(w) \sim 0
  1.3 - n
                                V
                                                                    130a(d)
                                                                               V
2.1.1 - y
                     12Ae(W) -
                                            lőAa(d)
                                                     - 11
                                                                    130b(x) - n
                     12Ae(d) -
2.1.2 ~
                                            13Ab(x)
                                                        11
                                                                    1305(w)
         m
                      128(x) - n
                                            13Ab(w)
2.1.3 - n
                                                                    1306(d)
2.2.1 -
                      12B(w) - v
                                            13Ab(d) - n
                                                                     1.3E(x) ---
         V
                                                                               11
2.2.2
                      12B(d) -
                                            13Ac(x)
                                                        11
                                                                     13E(W)
         11
                                                                               11
  3.1
                     12Ba(x) -
                                            13Ac(w) - n
                                                                     13\mathbb{E}(d) = r_1
         V
  3.2 - n
                     12Ba(w) ~ n
                                            13Ac(d)
                                                                    14.1(x) - n
                                                       11
  3.3 -
                     12Ba(d) - n
                                            13Ad(x) 🔩
                                                                    14.1(w) - n
         y
                                                        Ti
                     128b(x) - n
                                            13Ad(w) - n
  4.1 -
                                                                    14.1(d) - n
         7
                     128b(w) - n
                                            1.3 \operatorname{Ad}(d) = n
 4.2A -
                                                                    14.2(x)\∵n
         . V
                                                                    14.2(w) - n
 4.28 - n
                     12Bb(d) - n
                                            13Ae(x) 😁
                     128c(x) -
                                                                    14.2(d) - n
 4.20 - n
                                            13Ae(w) -
                                11
                                                        ١,
 4.20 - n
                     12Bc(w) - n
                                            13Ae(d) - y
                                                                      15.1A - n
                                             138(x) - n
5.1.1 - V
                     12Bc(d) - n
                                                                      15-18 - V
5.1.2 - n
                     12Bd(x) - n
                                             13B(w) - n
                                                                      15.10 n
  5.2 - n
                     12Bd(w)
                             ~ n
                                             138(d) - n
                                                                       15.2 - n
blank -
                     12Bd(d) - n
                                            13Ba(x) - n
                                                                     16A(x) - n
  6.1 - n
                     128e(x) - n
                                            138a(w) - n
                                                                     16A(w) - n
```

16A(d)		31,3(%) · · · · · ·	56.1 1(x) - n	438(4) - 11
Joe (x)	and a second of the	31.3(w) - y	36.1.1(w)	450(6) - n
16B(W)		$\tilde{z}_1.\tilde{z}(\tilde{u})\cdot \hat{y}$	36.11(d) n	
and the second s	and a second transfer to		法 一直 4 数 法未存储的 "我们的,不为我们们的,我们的人,我们的人们的人,我们的人们的人们的人们的人们的人们的人们的人们们们的人们们	化环状态 网络克里克 医克里克 医阿勒克氏征 化二氯磺胺二氯 化多氯化物 医克雷特氏性皮肤炎 化异氯甲基
100(q)	the drawn and the second	31.4(x) - 1	36.1.2(x) : n	730(d) m
160(x)	18 (A. H.)	31.4(w) - 1	36.1.2(w) * n	43000
16C(w)	rr	31,4(d) + i	55 (5.75 2 (d) 55 h	(a) (430 (w) (b) (h)
160(d)	- n	31.5(x) - n	56,211(S) h	73D(3) - n
医甲基苯甲基 阿克特拉斯 医多点 医二氯甲基二甲基甲基	- 11	31.5(w) n	36.2.1(w) n	475 (%) y
		31 5(d) - n	36.2.1(d) -\n	43E(W) - y
at a fit had the trial are some	医多角性 化邻亚烷	"我们,我们也不是我们的,我们也不是我们,我们就没有一定,我们也没有一定,我们就会不是我们的,我们就不是我们的,我们就是我们的,我们就	有意识,在原本,有一点的时间,就一点,不知的,是一直不知,一定一点,这样,是有人就是一定是有的意思。 化二类类化异类素化	"我们,还是是是这个人,不是一个是是一个人,我们还没有一个人的,我们也不是一个人,我们就是一个人。"
17.16	计多数数据记录器	3.1.68(x) n	36.2.2(0.) - n	43E(J) - y
"在我们的是一种年本的。" 化二十二烷	* 11	31.6A(w) - n	36.2.2(ω) n	35 (x) : n
19.2	11	31.6A(d) n	36.2.2(d) = n	43F(w) = h
19.3	· n	31.6B(x) - h	36.2.3(x) n \\\	43E (d) - n
20.1	i ii	31.68(w) - n	36.2.3(w) - h	43G(5c) n
2012		31.6B(d) - n	36.2.3(d) - n	43G(w) - m
21A	the first of the second of	$\sin \frac{1}{2} \left(\frac{1}{2} \right) = $	37	43G(d) - n
医甲状腺 化二氯甲酚 医阿拉克氏病 化二氯甲基苯酚	"我不是你的人" 医二角虫		人名印 大台 有力主义的名词复数有效主义 电声音 电影 医心理学 化二氯甲基二甲基苯酚 医二氯甲基甲基二甲基甲基甲基甲基二甲基	化二氯甲基乙基 经存货 电电流 医乳腺性炎 化二甲基二甲基甲基二甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基
215		31.60(w) - n	38.1 h	43H(x) - n
210	化氯化氯化 化氯化	31 (C((l) - n	38.2 h	43H(W) - n
210	TI.	31,6D(x) ~ n	38,30 × V	43H(d) = n
215	$\sim n$	31.6D(₩) — n	38 4 - n	431(x) - n
22.1.1		31.60(d) - n	38.5 - n	43I(w) - n
22.1.2		SIRE(X) - y	38.6 - n	43I(d) - n
22.2		31.6E(w) - y	38.7 m	44n(x) - n
22.3	rice r	31.6E(d) - y	38.8 - 1	44A(w) - n
27	T I	32 A - n	29 - Y	44A(d) - n
24.1		32B - n	40.1 - n	44B(x) - n
24.2	一名 医肾髓 化铁矿矿石	320 - n	40.2 * y	44B(w) - n
24.3	n	32D = y	41.1 y	44B(d) - n
24.4	Ti	32E - n	41.2 - n	44C(x) - n
24.5	n h	32F - n. (.	42.1.1(x) y	44C(w) - n
25.1		J2G - n	42.1.1(w) ~ y	44C(d) - n
25.2A		32H - n	$42.1.1(d) = \hat{y}$	44D(x) - y
		321 - n	42.1.2(x) - n	440(w) - y
25.2B				
25.3		327 - n	42.1.2(w) - n	44D(d) - y
26.1		32K - n	42.1.2(d) - n	44E(X) - y
26.2		JJA Y Y	42.1.3(x) - n	44E(w) - y
26.3	- ĵ	33R - n	42.1.3(w) - n	04E(d) + y
27.1	- y	55 C - n	42.1.3(d) - n	44F(x) - y
27.2		330 - n	42.2.1(x) - y	44F (W) - Y
27.3		33E - h	42.2 1(w) - y	44F(d) - y
28		ʒʒF. ∽ n	42.2.1(d) - y	44G(x) - n
29.1	化多次线 医多纹皮炎	336 n	42.2.2(x) - n	44G(w) - n
		ZZH - n		44G(d) - n
29.2			42.2.2(w) - n	
30(x)		331 - n	42.2.2(d) - n	44H(x) = n
30(w)		$n \sim C \nabla V$	42.2.3(x) - n	44H(w) * n
		33K - n	42.2.3(ω) n	44P(d) - n
31.1(x)	- у	34.1 - n	42.2.3(d) - n	441(x) - n
31.1(w)	法国共享 化氯化二甲酚	34.2 - n	43A(x) - n	44I(W) - n
31.1(d)		34, 3, 1 - n	43A(w) - n	441(d) - n
31.2(x)		34.3.2	43A(d) - n	45Á - n
31.2(w)		35.1 - n	43B(x) - n	458 - y
		35.2 - i	43B(w) - n	45C - n
31.2(d)	У		4. M. J. W. J	

WET Answer Databat for "TISEIS5"

450 - n	488 (w)	ir h			5 S S S S S S S S S S S S S S S S S S S	* 1.1
45E - n	48E(d)	~ II	49.2(w)	* V		÷, u
45F	480 (%)	÷ n	42.2(d)	V		11
45G - n	48C(w)	- n	49.3(x)			1
46A(x) - y	48C(d)	- 11	49.3(w)	$=$ \mathbf{n}		11
46A(w) - y	48D(x)	- n ·	49.3(d)	~ TE		11
460(d) - y	48D(w)	- 11	50(x)	The state of		u
46E(x) - n	48D(d)	= 10	50(w)	n		- ta
46B(w) - n	48E(x)	- n	50(d):	n		· !!
46B(d) - n	48E(W)	+ n	51.1	4 11		. !!
46C(x) = n	48E(d)	e in	51.2	11		- 11
460(w) n	48F(x)	m n	52.1	" u		t.i
46C(d) - n	48F(W)	- n	52.2	~ U		· U
47A - n	48F(d)	~ n	53.1	~ u		- u
47B - y	49.1.1(x)	o ri	53.2	$ \mathbf{u}$		11
47C - n	49.1.1(W)	- n	54(x)	~ LI	a de la companya de l	
48A(x) - y	49.1.1(d)	ri	54(w)	- U		" II.
48A(w) - y	49.1.2(x)	* 11	54(d)	11		- 11
48A(d) - y	49.1.2(w)	··· 11	55,1	- 11		e h
48B(x) - tr	49.1.2(d)	~ n	55.2	- u		11
보기가 얼마나 말을 하나 되는 것 같아.	얼마마는 얼마를 가면 있는 그렇게 하는 것 같아요.		그는 사람들은 얼마를 하는 것이 없는 것이 없는 것이 없었다.		그리는 아이는 이는 일을 하다면 하는데 함께 몰라 없다.	经对系统物件

Summary of Evaluation Results for "TIS10"

•	Social Significance	Effectiveness	Opportunity
Ground Water Recharge	L.	U	*
Ground Water Discharge	L	L	*
Floodflow Alteration	Ĺ.	H	Н
Sediment Stabilization	Ē	H	*
Sediment/Toxicant Retention	Ľ	М	Н
Nutrient Removal/Transformat	tion L	M	М
Production Export	*	M	*
Wildlife Diversity/Abundance		*	*
	a⇒ h Yak	Ĺ	*
Wildlife D/A Breeding	*	l	*
Wildlife D/A Migration	Ψ.	l	*
Wildlife D/A Wintering		lus.	*** ***
Aquatic Diversity/Abundance	l	lm 	*
Uniqueness/Heritage	L	*	
Recreation	l	*	*

Note: "H" = High, "M" = Moderate, "L" = Low, "U" = Uncertain, and "*"'s identify conditions where functions and values are not evaluated.

```
12Be(w) - n
                                                              13Ba(d) - n
                       6.2 - n
 s1 - n
   s2 - n
                         7 - y
                                        12Be(d) - n
                                                              13Bb(x) - n
                       8.1 - n
                                         12C(x) - n
                                                              13Bb(w) - n
   83 - n
                       8.2 - n
                                         12C(w) - n
                                                              13Bb(d) - n
   s4 - n
                       8.3 - n
                                         12C(d) - n
                                                              13Bc(x) - n
   s5 - n
                       8.4 - y
                                        12Ca(x) - n
                                                              138c(w) - n
   s6 - n
                       9.1 - y
   s7 - n
                                        12Ca(w) - n
                                                              13Bc(d) - n
                       9.2 - n
                                        12Ca(d) - n
                                                             13Bd(x) - n
   s8 - n
                       9.3 - n
                                        12Cb(x) - n
                                                             13Bd(w) - n
   s9 - n
  s10 - n
                       10A - y
                                        12Cb(w) - n
                                                             13Bd(d) - n
                                        12Cb(d) - n
                       10B - n
                                                             13Be(x) - n
  s11 - n
                       100 - n
                                        12Cc(x) - n
                                                             13Be(w) - n
  s12 - n
                                                             13Be(d) - n
  s13 - n
                       10D - n
                                        12Cc(w) - n
                       10E - n
                                        12Cc(d) - n
                                                              13C(x) - n
  s14 - n
                                                              13C(w) - n
                       10F - n
                                        12Cd(x) - n
  s15 - n
                                                              13C(d) - n
                     11(x) - n
                                        12Cd(w) - n
  s16 - n
  s17 - n
                     11(w) - n
                                        12Cd(d) - n
                                                             13Ca(x) - n
                                         12D(x) - y
  s18 - I
                     11(d) - n
                                                             13Ca(w) - n
                    12A(x) - n
                                         12D(w) - y
                                                             13Ca(d) - n
  s19 - n
                    12A(w) - n
                                         12D(d) - y
                                                             13Cb(x) - n
  s20 - n
                    12A(d) - n
                                                             13Cb(w) - n
  s21 - n
                                        12Da(x) - y
                                                             13Cb(d) - n
                   12Aa(x) - n
                                        12Da(w) - y
  s22 - n
                                        12Da(d) - y
                                                             13Cc(x) - n
  s23 - n
                   12Aa(w) - n
  s24 - n
                   12Aa(d) - n
                                        120b(x) - n
                                                             13Cc(w) - n
                                                             13Cc(d) - n
                                        12Db(w) - n
  s25 - n
                   12Ab(x) - n
                                        120b(d) - n
                                                             13Cd(x) - n
  s26 - n
                   12Ab(w) - n
  s27 - n
                   12Ab(d) - n
                                        12E(x) - n
                                                             13Cd(w) - n
                                         12E(w) - n
                                                             13Cd(d) - n
  s28 - n
                   12Ac(x) - n
                                                              13D(x) - y
                                         12E(d) - n
  s29 - Y
                   12Ac(w) - n
  s30 - Y
                                                              13D(w) - y
                   12Ac(d) - n
                                         13A(x) - n
  s31 - Y
                   12Ad(x) - n
                                         13A(w) - n
                                                              13D(d) - y
  1.1 - n
                   12Ad(w) - n
                                         13A(d) - n
                                                             13Da(x) -
                                                                        У
                                                             13Da(w) - y
  1.2 - y
                   12Ad(d) - n
                                        13Aa(x) - n
                                        13Aa(w) - n
                                                             13Da(d) - y
  1.3 - n
                   12Ae(x) - n
                   12Ae(w) - n
                                        13Aa(d) - n.
2.1.1 - y
                                                             130b(x) - n
2.1.2 - n
                   12Ae(d) - n
                                        13Ab(x) - n
                                                             13Db(w) - n
                   12B(x) - n
                                        13Ab(w) - n
                                                             13Db(d) - n
2.1.3 - n
2.2.1 - i
                   128(w) - n
                                        13Ab(d) - n
                                                              13E(x) - n
                                                              13E(w) - n
2.2.2 - i
                   12B(d) - n
                                        13Ac(x) - n
 3.1 - y
                   12Ba(x) - n
                                        13Ac(w) - n
                                                              13E(d) - n
                                        13Ac(d) - n
                                                             14.1(x) - n
 3.2 - n
                   12Ba(w) - n
 3.3 - n
                   12Ba(d) - n
                                        13Ad(x) - n
                                                             14.1(w) - n
                                        13Ad(w) - n
                                                             14.1(d) - n
 4.1 - y
                   12Bb(x) - n
4.2A - y
                   12Bb(w) - n
                                       13Ad(d) - n
                                                             14.2(x) - n
                                        13Ae(x) - n
                                                             14.2(w) - n
4.28 - n
                   12Bb(d) - n
                   12Bc(x) - n
                                        13Ae(w) - n
                                                             14.2(d) - n
4.20 - n
                   12Bc(w) - n
                                       13Ae(d) - n
                                                               15.1A - V
4.2D - n
                                                               15.1B - n
5.1.1 - y
                   12Bc(d) - n
                                        13B(x) - n
                  12Bd(x) - n
                                        13B(w) - n
                                                              15.1C - n
5.1.2 - n
                                                                15.2 - i
                                        13B(d) - n
 5.2 - n
                  12Bd(w) - n
                                                              16A(x) - y
                  12Bd(d) - n
                                       13Ba(x) - n
blank - u
                                                              16A(w) - y
 6.1 - n
                  128e(x) - n
                                       13Ba(w) - n
```

```
31.3(x) - y
                                         36.1.1(x) - n
                                                                  43B(d) - n
 16A(d) - y
                                         36.1.1(w) - n
                                                                 43C(x) - n
                     31.3(w) - y
 16B(x) - n
                     31.3(d) - y
                                         36.1.1(d) - n
                                                                 43C(w) - n
 16B(w) - n
                     31.4(x) -
                                         36.1.2(x) - n
                                                                 43C(d) - n
 1.6B(d) - n
                                i
                                        36.1.2(w) - n
                                                                 43D(x) -
                     31.4(w) - i
 16C(x) - n
                                                                 43D(w) -
                     31.4(d) - i
                                         36.1.2(d) - n
 16C(w) - n
                                                                 43D(d) -
 16C(d) - n
                     31.5(x) - n
                                         36.2.1(x) - n
                     31.5(w) - n
                                         36.2.1(w) - n
                                                                 43E(x) - n
     17 - n
                                        36.2.1(d) - n
                                                                 43E(w) -
                     31.5(d) - n
     18 - n
                                         36.2.2(x) - n
                                                                 43E(d) -
  19.1A - n
                    31.6A(x) - n
                                                                 43F(x) - n
                                        36.2.2(w) - n
  19.1B - n
                    31.6A(w) - n
                    31.6A(d) - n
                                        36.2.2(d) - n
                                                                 43F(w) -
   19.2 - n
                                        36.2.3(x) - n
                                                                 43F(d) - n
   19.3 - i
                    31.68(x) - n
                                        36.2.3(w) - n
                                                                 43G(x) - n
                    31.6B(w) - n
   20.1 - n
                                        36.2.3(d) - n
                                                                 43G(w) - n
   20.2 - n
                    31.6B(d) - n
    21A - n
                                                37 - n
                                                                 43G(d) - n
                    31.6C(x) - y
                                                                 43H(x) -
    21B - y
                    31.6C(w) - y
                                              38.1 - n
                                                                 43H(w) -
                                              38.2 - n
                    31.6C(d) - y
    210 - n
                                              38.3 - y
                                                                 43H(d) -
                    31.6D(x) - n
    210 - n
    21E - n
                    31.6D(w) - n
                                              38.4 - n
                                                                 43I(x) ~ n
                                              38.5 - n
                                                                 43I(w) - n
 22.1.1 - y
                    31.6D(d) - n
                    31.6E(x) - n
                                              38.6 - n
                                                                 43I(d) -
 22.1.2 -
                                              38.7 - n
                                                                 44A(x) - n
                    31.6E(w) - n
   22.2 - n
                                              38.8 - i
                                                                 44A(w) - n
   22.3 - n
                    31.6E(d) - n
                                                39 - n
                                                                 44A(d) - n
     23 - n
                         32A - y
                                                                 44B(x) - n
                         32B - n
                                              40.1 - n
   24.1 - i
                                              40.2 - y
                                                                 44B(w) - n
   24.2 - n
                         32C - n
                                              41.1 - i
                                                                 44B(d) - n
   24.3 - n
                         32D - n
                         32E - n
                                              41.2 - i
                                                                 44C(x) - n
   24.4 - n
                                                                 44C(w) - n
                         32F - n
                                        42.1.1(x) - y
   24.5 - n
                         32G - n
                                        42.1.1(w) - y
                                                                 44C(d) - n
   25.1 - y
  25.2A - n
                         32H - n
                                        42.1.1(d) - y
                                                                 44D(x) -
                                                                           У
                                                                 44D(w) - y
  25.2B - V
                         32I - n
                                        42.1.2(x) - n
   25.3 - n
                         32J - n
                                        42.1.2(w) - n
                                                                 44D(d) - y
                                        42.1.2(d) - n
                                                                 44E(x) - n
   26.1 - n
                         32K - n
   26.2 - i
                         33A - y
                                        42.1.3(x) - n
                                                                 44E(w) - n
                                                                 44E(d) - n
   26.3 - i
                         33B - n
                                        42.1.3(w) - n
                                        42.1.3(d) - n
                                                                 44F(x) - n
   27.1 - y
                         330 - n
                                        42.2.1(x) - y
                                                                 44F(w) - n
   27.2 - n
                         33D - n
                                                                 44F(d) - n
   27.3 - v
                         33E - n
                                        42.2.1(W) - y
                                        42.2.1(d) - y
                                                                 44G(x) - n
                         33F - n
     28 - n
                                        42.2.2(x) - n
                                                                 44G(w) - n
   29.1 - n
                         33G - n
                                        42.2.2(w) - n
                                                                 44G(d) - n
   29.2 - y
                         33H - n
                         33I - n
                                        42.2.2(d) - n
                                                                 44H(x) - y
  30(x) - y
                                        42.2.3(x) - n
                                                                 44H(w) - y
  30(w) - y
                         33J - n
                                                                 44H(d) - y
                                        42.2.3(w) - n
  30(d) - y
                         33K - n
                        34.1 - n
                                        42.2.3(d) - n
                                                                 44I(x) - n
31.1(x) - n
                                           43A(x) - n
                                                                 44I(w) - n
                        34.2 - n
31.1(w) - n
                                                                 44I(d) - n
                      34.3.1 - n
                                           43A(w) - n
31.1(d) - n
                                                                    45A - y
                                           43A(d) - n
31.2(x) - y
                      34.3.2 - i
31.2(w) - y
                                                                    45B - n
                        35.1 - n
                                           43B(x) - n
31.2(d) - y
                                                                    45C - n
                        35.2 - i
                                           43B(w) - n
```

WET Answer Dataset for "TIS10"

45D -	n	48B(w) -	'n	49.2(x)		У	55.3		
45E -	n	48B(d) -	'n	49.2(w)	•••	У	55.4		
45F -	n	48C(x) ~	'n	49.2(d)		У	56.1		
45G -	n	48C(w) ~	'n	49.3(x)	•••	ħ	56.2		u
46A(x) -	У	48C(d) -	- n	49.3(w)		n	57.1	•••	u
46A(W) -	У	48D(×) ~	'n	49.3(d)	~~	n	57.2		
46A(d) -	У	48D(w) ~	n	50(x)		n	58		
46B(x) -	n	48D(d) ~	'n	50(w)	***	n	59.1	•••	u
46B(w) -	n	48E(x) -	'n	50(d)	•••	n	59.2		u
46B(d) -	n	48E(w) -	n	51.1		u	60	****	u
46C(x) ~	n	48E(d) -	n	51.2	•••	น	61		
46C(w) -	n	48F(x) -	'n	52.1		u	62	•••	u
'46C(d) -	n	48F(w) -	'n	52.2	-	u	63.1		u
47A -	У	48F(d)	'n	53.1		u	63.2		
47B -	n	49.1.1(x) -	n	53.2	•	u	64		
47C -	n	49.1.1(w) -	n	54(x)	***	u	CR		
48A(x) -	У	49.1.1(d) -	n	54(w)	•••	u	1		n
48A(w) -	У	49.1.2(x) -		54(d)		u	2		
48A(d) -	У	49.1.2(w) -		55.1				•••	
48B(x) -	n	49.1.2(d) -	n	55.2	-	u	. 4		n

Summary of Evaluation Results for "TIS11"

ΣУ

Note: "H" = High, "M" = Moderate, "L" = Low, "U" = Uncertain, and "*"'s identify conditions where functions and values are not evaluated.

```
12Be(w) - n
                                                               13Ba(d) - n
                        6.2 - n
   s1 - n
                          7 - y
                                                               13Bb(x) - n
                                         12Be(d) - n
   s2 - n
                                          12C(x) - n
                                                               13Bb(w) - n
                        8.1 - n
   s3 - n
                       8.2 - n
   s4 - n
                                          12C(w) - n
                                                               13Bb(d) -
                        8.3 - n
                                          12C(d) - n
                                                               13Bc(x) -
   s.5 − n
                       8.4 - y
                                         12Ca(x) - n
                                                               13Bc(w) -
   s6 - n
                       9.1 - y
                                         12Ca(w) - n
                                                               13Bc(d) -
   s7 - n
                       9.2 - n
                                         12Ca(d) - n
                                                               13Bd(x) - n
   s8 - n -
                       9.3 - n
   s9 - n
                                         12Cb(x) - n
                                                               13Bd(w) -
                       10A - n
                                         12Cb(w) - n
                                                               13Bd(d) - n
  s10 - n
                       10B - y
                                         12Cb(d) - n
                                                               138e(x) - n
  s11 - n
                                         12Cc(x) - n
                                                               13Be(w) - n
                       100 - n
  s12 - n
  s13 - n
                       10D - n
                                         12Cc(w) - n
                                                               13Be(d) -
                       10E - n
                                         12Cc(d) - n
                                                                13C(x) - n
  s14 - n
                       10F - n
                                         12Cd(x) - n
                                                               13C(w) - n
  s15 - n
                     11(x) - n
                                         12Cd(w) - n
                                                               13C(d) -
  s16 - n
                     11(w) - n
                                         12Cd(d) - n
                                                              13Ca(x) - n
  s17 - n
  s18 - i
                     11(d) - n
                                          12D(x) - n
                                                              13Ca(w) -
                                                              13Ca(d) - n
  s19 - n
                    12A(x) - n
                                          12D(w) - n
                                                              13Cb(x) -
                    12A(w) - n
                                          12D(d) - n
  s20 - n
                    12A(d) - n
                                         12Da(x) - n
                                                              13Cb(w) -
  s21 - n
                   12Aa(x) - n
  s22 - i
                                         12Da(w) - n
                                                              130b(d) - n
  s23 - n
                   12Aa(w) - n
                                         12Da(d) - n
                                                              13Cc(x) -
                                         120b(x) - n
                                                              13Cc(w) -
  s24 - n
                   12Aa(d) - n
                   12Ab(x) - n
                                         12Db(w) - n
                                                              13Cc(d) - n
  s25 - n
                                                              13Cd(x) - n
  s26 - n
                   12Ab(w) - n
                                         120b(d) - n
                   12Ab(d) - n
                                          12E(x) - n
                                                              13Cd(w) - n
  s27 - n
                                          12E(w) - n
                                                              13Cd(d) - n
  s28 - n
                   12Ac(x) - n
                                          12E(d) - n
                                                               13D(x) - y
                   12Ac(w) - n
  s29 - y
                                                               13D(w) -
                   12Ac(d) - n
                                          13A(x) - n
  $30 - y
                                                                         У
                   12Ad(x) - n
                                          13A(w) - n
                                                               13D(d) -
  s31 - y
  1.1 - n
                   12Ad(w) - n
                                         13A(d) - n
                                                              13Da(x) - y
                                        13Aa(x) - n
                   12Ad(d) - n
                                                              13Da(w) -
  1.2 - y
                                                                         У
                                                              13Da(d) -
                   12Ae(x) - n
                                        13Aa(w) - n
  1.3 - n
                                                              130b(x) - n
2.1.1 - n
                   12Ae(w) - n
                                        13Aa(d) - n
                   12Ae(d) - n
                                                              13Db(w) - n
2.1.2 - n
                                        13Ab(x) - n
2.1.3 - y
                    12B(x) - y
                                        13Ab(w)
                                                -- n
                                                              13Db(d) - n
                   . 12B(w) - y
                                        13Ab(d) - n
                                                               13E(x) - n
2.2.1 - i
                                        13Ac(x) - n
                                                               13E(w) - n
                    12B(d) - y
2.2.2 - i
  3.1 - y
                   12Ba(x) - n
                                        13Ac(w) - n
                                                               13E(d) - n
                                                              14.1(x) - n
  3.2 - n
                   12Ba(w) - n
                                        13Ac(d) - n
                   12Ba(d) - n
                                        13Ad(x) - n
                                                              14.1(w) - n
  3.3 - n
                                        13Ad(w) - n
                                                              14.1(d) - n
                   12Bb(x) - n
  4.1 - y
                                        13Ad(d) - n
                                                              14.2(x) - n
                   128b(w) - n
 4.2A - y
                                        13Ae(x) - n
                                                              14.2(w) - n
 4.2B - n
                   12Bb(d) - n
 4.2C - n
                                        13Ae(w) - n
                                                              14.2(d) - n
                   12Bc(x) - y
                   12Bc(w) - y
                                        13Ae(d) - n
                                                                15.1A - y
 4.2D - n
                                                                15.1B - n
5.1.1 - y
                   12Bc(d) - y
                                         13B(x) - y
                                         13B(w) - y
                                                                15.10 - n
                   12Bd(x) - n
5.1.2 - n
                                         13B(d) - y
                                                                 15.2 - n
                   12Bd(w) - n
  5.2 - n
                                                               16A(x) - y
                                        13Ba(x) - n
                   12Bd(d) - n
blank - u
                   12Be(x) - n
                                        13Ba(w) - n
                                                               16A(W) - y
  6.1 - n
```

```
43B(d) - n
                     31.3(x) - y
                                         36.1.1(x) - n
 16A(d) - y
                                                                  43C(x) -
                     31.3(w) - y
                                         36.1.1(w) - n
 16B(x) - n
                                         36.1.1(d) - n
                                                                  43C(w) ~
 16B(w) - n
                      31.3(d) - y
                      31.4(x) -
                                i
                                         36.1.2(x) - n
                                                                  43C(d) - Y
 16B(d) -
          n
                     31.4(w) -
                                         36.1.2(w) - n
                                                                  430(x) - n
                                i
 16C(x) - n
                                                                  43D(w) -
                                         36.1.2(d) - n
                                                                            n
                      31.4(d) - i
 1.6C(w) -
                                                                  43D(d) - n
                     31.5(x)
                              - n
                                         36.2.1(x) - n
 16C(d) - n
                     31.5(w) - n
                                         36.2.1(w) - n
                                                                  43E(x) - y
     17 -
          n
                                                                  43E(w) -
                     31.5(d)
                              -- n
                                         36.2.1(d) - n
     18 - n
                                                                  43E(d) -
                                         36.2.2(x) - n
                                                                            N
  19.1A - y
                    31.6A(x)
                                                                  43F(x) - n
                                         36.2.2(w) - n
                    31.6A(w) - n
  19.1B - n
                                                                  43F(w) - n
   19.2 -
                                         36.2.2(d) - n
                    31.6A(d) - n
          n
                                                                  43F(d) - n
                                         36.2.3(x) -
   19.3 - n
                    31.6B(x) - n
                                                     n
   20.1 - n
                    31.6B(w) - n
                                         36.2.3(w) - n
                                                                  43G(x) - n
                    31.6B(d) - n
                                         36.2.3(d) - n
                                                                  43G(w) - n
   20.2 - n
                                                 37 - n
                                                                  43G(d) - n
                    31.6C(x) - n
    21A - n
                                                                  43H(x) - n
                                              38.1 - n
    21B - y
                    31.6C(w) - n
                                                                  43H(w) - n
                                              38.2 - n
    210 - n
                    31.6C(d) - n
                                              38.3 - y
                                                                  43H(d) - n
    210 - n
                    31.6D(x) -
                    31.6D(w)
                                              38.4 - n
                                                                  43I(x) - n
    21E - n
                                У
                                              38.5 - n
                                                                  43I(w) -
                    31.6D(d) - y
                                                                            n
 22.1.1 - y
 22.1.2 - i
                    31.6E(x) - n
                                              38.6 - n
                                                                  43I(d) - n
                                              38.7 - n
                                                                  44A(x) - y
   22.2 - n
                    31.6E(w) - n
                                              38.8 - i
                                                                  44A(w) -
   22.3 - n
                    31.6E(d)
                             -- n
                                                                            У
                                                                  44A(d) -
                          32A - n
                                                39 - n
     23 - y
                                                                  44B(x) - y
                          32B -
                                              40.1 - n
   24.1 - i
                                              40.2 - y
   24.2 - n
                                                                  44B(w) -
                          32C
                                n
                                                                            У
                                              41.1 - i
                                                                  44B(d) -
   24.3 - n
                          32D - n
                                                                            У
                                              41.2 - i
   24.4 - n
                          32E - n
                                                                  44C(x) - y
                          32F - n
                                         42.1.1(x) - y
                                                                  44C(w) -
   24.5 - n
                                         42.1.1(w) - y
                                                                  44C(d) -
                          32G - n
   25.1 - y
                                         42.1.1(d) - y
                                                                  44D(x) - y
  25.2A - n
                         32H - n
  25.2B - y
                         32I - n
                                         42.1.2(x) - n
                                                                  44D(w) - y
   25.3 - n
                          32J - n
                                         42.1.2(w) - n
                                                                  44D(d) -
                                                                            У
                                         42.1.2(d) - n
                                                                  44E(x) -
   26.1 - n
                          32K - n
                                                                            У
                          33A - y
                                         42.1.3(x) - n
                                                                  44E(w) - y
   26.2 - i
   26.3 - i
                         33B -
                                         42.1.3(w) - n
                                                                  44E(d)
                                                                            У
                                         42.1.3(d) - n
                                                                  44F(x) - y
                          33C - n
   27.1 - y
                         330 - n
                                         42.2.1(x) - y
                                                                  44F(w) - y
   27.2 - n
   27.3 - y
                                                                  44F(d) -
                          33E
                                         42.2.1(w) -
                                                     V
                                                                            У
                                         42.2.1(d) - y
                                                                  44G(x) -
     28 - n
                         33F - n
                                                                            У
   29.1 - n
                          33G - n
                                         42.2.2(x) - n
                                                                  44G(w) -
                                                                           У
                                                                  44G(d) -
                         33H - n
                                         42.2.2(w) - n
   29.2 - y
                                                                  44H(x) - y
                         33I - n
                                         42.2.2(d) - n
  30(x) - y
                                         42.2.3(x) - n
                         33J - n
                                                                  44H(w) - y
  30(w) - y
                         33K - n
                                         42.2.3(w) - n
                                                                  44H(d) -
  30(d) -
          У
                                         42.2.3(d) - n
                                                                  44I(x) -
                                                                           n
                        34.1 - n
31.1(x) - y
                                                                  44I(w) - n
31.1(w) - y
                        34.2 - n
                                            43A(x) - n
                      34.3.1 - n
                                            43A(w) - n
                                                                  44I(d) - n
31.1(d) -
          У
                                                                     45A - y
                      34.3.2 - i
                                            43A(d)
31.2(x) - y
                                                     n
                                            43B(x)
                                                                     45B - n
                        35.1 - n
31.2(w) - y
                                                                     45C - n
                                            43B(w) - n
                        35.2 - i
31.2(d) - y
```

WET Answer Dataset for "TIS11"

45D	***	n	48B(₩)	n.			49.2(X)	****	У	55.3		
45E			48B(d) -	n			49.2(w)	-	У			
45F			48C(x) -				49.2(d)		У			
45G			48C(w) -	n	,	1	49.3(x)		n	56.2	•	u
46A(x)			48C(d) -		."	,	49.3(w)		n	57.1		u
46A(W)			48D(x) -				49.3(d)	•••	n	57.2	-	u
46A(d)			48D(w) -	n			50(x)		n	58	-	u
46B(x)			48D(d) -				50(w)	•••	n	59.1		u
46B(W)			48E(x) -				50(d)	•••	n	59.2	-	u
46B(d)			48E(w) -				51.1		u	60	***	u
46C(x)			48E(d) -				51.2	•••	u	61	•••	u
46C(W)			48F(x) -				52.1	-	u	62		
'46C(d)			48F(w) -				52.2		u	63.1		u
47A			48F(d) -	n			53.1	-	u	63.2	•••	u
47B			49.1.1(x) -	n		•	53.2		u	64	•••	u
47C		•	49.1.1(w) -				54(x)	-	u	CR		2
48A(x)			49.1.1(d) -	n			54(w)		u	1.	•••	n
48A(W)			49.1.2(x) -				54(d)	•••	u	2		n
48A(d)			49.1.2(w) -				55.1		u	3		n
48B(x)			49.1.2(d) -				55.2		u	4	•••	n

Summary of Evaluation Results for "TIS14"

Social Significance Effectiveness Opportunity

Ground Water Recharge	М	U	*
Ground Water Discharge	М	L	*
Floodflow Alteration	М	Н	Н
Sediment Stabilization	М	M	*
Sediment/Toxicant Retention	М	Н	Н
Nutrient Removal/Transformation	М	Н	L
Production Export	*	L	*
Wildlife Diversity/Abundance	М	*	*
Wildlife D/A Breeding	*	L	*
Wildlife D/A Migration	*	L	*
Wildlife D/A Wintering	*	L	*
Aquatic Diversity/Abundance	М	L.	*
Uniqueness/Heritage	M	*	*
Recreation	L	*	* ,

Note: "H" = High, "M" = Moderate, "L" = Low, "U" = Uncertain, and "*"'s identify conditions where functions and values are not evaluated.

```
12Be(w) - n
                                                               13Ba(d) - n
                        6.2 - n
   s1 - n
                                         12Be(d) - n
                                                               13Bb(x) - n
                          7 - y
   s2 - n
                                                               13Bb(w) - n
                                          12C(x) - n
   s3 - n
                        8.1 - n
                        8.2 - n
                                          12C(w) - n
                                                               13Bb(d) - n
   s4 - n
                                                               13Bc(x) - n
                                          12C(d) - n
   s5 - n
                        8.3 - n
                                                               13Bc(w) - n
                                         12Ca(x) - n
                        8.4 - n
   56 - n
                                                               13Bc(d) - n
                                         12Ca(w) - n
                        9.1 - y
   s7 - n
                                                               13Bd(x) - n
                                         12Ca(d) - n
                        9.2 - n
   $8 - n
                                         12Cb(x) - n
                                                               13Bd(w) - n
                        9.3 - n
   s9 - n
                                                               13Bd(d) - n
                        10A - n
                                         12Cb(w) - n
  s10 - n
                        10B - y
                                         12Cb(d) - n
                                                               13Be(x) - n
  s11 - n
                                                               13Be(w) - n
                        10C - n
                                         12Cc(x) - n
  s12 - n
                                                               13Be(d) - n
                                         12Cc(w) - n
                        100 - n
  s13 - n
                                         12Cc(d) - n
                                                               13C(x) - n
                        10E - n
  s14 - n
                                                               13C(w) - n
                                         12Cd(x) - n
                        10F - n
  s15 - n
                                                               13C(d) - n
                                         12Cd(w) - n
                      11(x) - h
  s16 - n
                     11(w) - n
                                                               13Ca(x) - n
  s17 - n
                                         12Cd(d) - n
                     11(d) - n
                                          12D(x) - y
                                                               13Ca(w) - n
  s18 - i
                                          12D(w) - y
                                                               13Ca(d) - n
                     12A(x) - n
  s19 - n
                                          12D(d) - y
                                                              13Cb(x) - n
  s20 - n
                     12A(w) - n
                                         12Da(x) - y
                                                              13Cb(w) - n
                     12A(d) - n
  s21 - n
                                                              13Cb(d) - n
                    12Aa(x) - n
                                         120a(w) - y
  s22 - i
                                                              13Cc(x) - n
                                         12Da(d) - y
                    12Aa(w) - n
  s23 - n
                                         120b(x) - n
                                                              13Cc(w) - n
  s24 - n
                   12Aa(d) - n
                                         12Db(w) - n
                                                              13Cc(d) - n
  s25 - n
                    12Ab(x) - n
                                         120b(d) - n
                                                              13Cd(x) - n
  s26 - n
                   12Ab(w) - n
                                          12E(x) - n
                                                              13Cd(w) - n
  s27 - n
                   12Ab(d) - n
                                                              13Cd(d) - n
                                          12E(w) - n
                   12Ac(x) - n
  s28 - n
                                          12E(d) - n
                                                               130(x) - y
                   12Ac(w) - n
  s29 - y
                                          13A(x) - n
                                                               13D(w) - y
  s30 - y
                   12Ac(d) - n
                                          13A(w) - n
                                                               130(d) - y
  s31 - y
                   12Ad(x) - n
                                                              13Da(x) - y
                   12Ad(w) - n
                                          13A(d) - n
  1.1 - n
                                         13Aa(x) - n
                                                              13Da(w) - y
                   12Ad(d) - n
  1.2 - y
                                                              130a(d) - y
                                         13Aa(w) - n
  1.3 - n
                   12Ae(x) - n
                                                              130b(x) - n
                                         13Aa(d) - n
2.1.1 - y
                   12Ae(w) - n
                                         13Ab(x) - n
                                                              130b(w) - n
2.1.2 - n
                   12Ae(d) - n
                                         13Ab(w) - n
                                                              130b(d) - n
2.1.3 - n
                    12B(x) - n
                                         13Ab(d) - n
                                                               13E(x) - n
                    12B(w) - n
2.2.1 - i
                                                               13E(w) - n
                                         13Ac(x) - n
2.2.2 - i
                    12B(d) - n
                                         13Ac(w) - n
                                                               13E(d) - n
  3.1 - y
                   12Ba(x) - n
  3.2 - n
                   12Ba(w) - n
                                         13Ac(d) - n
                                                              14.1(x) - n
                                         13Ad(x) - n
                                                              14.1(w) - n
  3.3 - n
                   12Ba(d) - n
                                        13Ad(w) - n
                                                              14.1(d) - n
                   12Bb(x) - n
  4.1 - y
                                                              14.2(x) - n
 4.2A - y
                                         13Ad(d) - n
                   12Bb(w) - n
                                                              14.2(w) - n
 4.2B - n
                   12Bb(d) - n
                                         13Ae(x) - n
                                                              14.2(d) - n
                                         13Ae(w) - n
 4.20 - n
                   12Bc(x) - n
                                         13Ae(d) - n
                                                                15.1A - y
 4.20 - n
                   12Bc(w) - n
                                         13B(x) - n
                                                                15.18 - n
                   12Bc(d) - n
5.1.1 - n
                                          138(w) - n
                                                                15.1C - n
5.1.2 - n
                   12Bd(x) - n
                                         13B(d) - n
                                                                 15.2 - i
                   12Bd(w) - n
  5.2 - y
                                                               16A(x) - y
                                         13Ba(x) - n
blank - u
                   12Bd(d) - n
                                                               16A(w) - y
                                         13Ba(w) - n
                   12Be(x) - n
  6.1 - n
```

```
438(d) - n
                                         36.1.1(x) - n
                      31.3(x) - n
 16A(d) - y
                                         36.1.1(w) - n
                      31.3(w) - n
                                                                 43C(x) - n
 16B(x) - n
                                                                 43C(w) - n
                                         36.1.1(d) - n
                      31.3(d) - n
 16B(w) - n
                      31.4(x) - i
                                         36.1.2(x) - n
                                                                 43C(d) - n
 16B(d) - n
                      31.4(w) - i
                                         36.1.2(w) - n
                                                                 43D(x) - n
 16C(x) - n
                                         36.1.2(d) - n
                                                                 43D(w) - n
                      31.4(d) - i
 16C(w) - n
                                                                 43D(d) - n
                                         36.2.1(x) - n
                      31.5(x) - y
 16C(d) - n
                                                                 43E(x) - n
                                         36.2.1(w) - n
                      31.5(w) - y
     17 - n
                     31.5(d) - y
                                         36.2.1(d) - n
                                                                 43E(w) - 'n
     18 - n
                                         36.2.2(x) - n
                                                                 43E(d) - n
  19.1A - i
                    31.6A(x) - n
  19.1B - n
                    31.6A(w) - n
                                         36.2.2(w) - n
                                                                 43F(x) - n
                                         36.2.2(d) - n
                                                                 43F(w) - n
                    31.6A(d) - n
   19.2 - n
                                         36.2.3(x) - n
                                                                 43F(d) - n
   19.3 - i
                    31.6B(x) - n
                                         36.2.3(w) - n
                                                                 43G(x) - n
                    31.6B(w) - n
   20.1 - n
                                         36.2.3(d) - n
                                                                 43G(w) - n
                    31.6B(d) - n
   20.2 - n
                                                37 - n
                                                                 43G(d) - n
                    31.6C(x) - n
    21A - n
                                                                 43H(x) - n
                                              38.1 - n
    21B - y
                    31.6C(w) - n
                                              38.2 - n
                                                                 43H(w) - n
    210 - n
                    31.6C(d) - n
                                                                 43H(d) - n
                                              38.3 - y
    210 - n
                    31.6D(x) - n
                                                                 43I(x) - n
                    31.6D(w) - n
                                              38.4 - n
    21E - n
                                                                 431(w) - n
                                              38.5 - n
 22.1.1 - n
                    31.6D(d) - n
                                              38.6 - n
                                                                 43I(d) - n
                    31.6E(x) - y
 22.1.2 - i
                                                                 44A(x) - y
                    31.6E(w) - y
                                              38.7 - n
   22.2 - n
                                              38.8 - i
                                                                 44A(w) - y
   22.3 - n
                    31.6E(d) - y
                          32A - n
                                                39 - n
                                                                 44A(d) - y
     23 - n
                                              40.1 - i
                                                                 44B(x) - n
                          32B - n
   24.1 - i
                                                                 44B(w) - y
                                              40.2 - i
                          320 - n
   24.2 - n
                                                                 44B(d) - n
                                              41.1 - i
   24.3 - n
                          32D - n
                                              41.2 - i
                                                                 44C(x) - n
   24.4 - n
                          32E - n
                                         42.1.1(x) - y
                                                                 44C(w) - n
                          32F - y
   24.5 - n
                                                                 44C(d) - n
                                         42.1.1(w) - y
                          32G - n
   25.1 - y
                                         42.1.1(d) - y
                                                                 44D(x) - n
                          32H - n
  25.2A - y
                                                                 44D(w) - n
                                         42.1.2(x) - n
                          32I - n
  25.2B - n
                                                                 44D(d) - n
                                         42.1.2(w) - n
                         32J - n
   25.3 - n
                                                                 44E(x) - n
                                         42.1.2(d) - n
                         32K - n
   26.1 - n
                                                                 44E(w) - n
                                         42.1.3(x) - n
                          33A - n
   26.2 - i
                                        42.1.3(w) - n
                                                                 44E(d) - n
   26.3 - i
                         33B - n
                                                                 44F(x) - n
                                         42.1.3(d) - n
                          33C - n
   27.1 - y
                                         42.2.1(x) - n
                                                                 44F(w) - n
                         330 - n
   27.2 - y
                                         42.2.1(w) - n
                                                                 44F(d) - n
                          33E - n
   27.3 - n
                                                                 44G(x) - n
                                        42.2.1(d) - n
     28 - n
                         33F - y
                                                                 44G(w) - n
                         33G - n
                                         42.2.2(x) - n
   29.1 - n
                                                                 44G(d) - n
                                         42.2.2(w) - n
                         33H - n
   29.2 - y
                                                                 44H(x) - n
                                        42.2.2(d) - n
                         33I - n
  30(x) - y
                                                                 44H(w) - n
                                        42.2.3(x) - n
                         33J - n
  30(w) - y
                                                                 44H(d) - n
                                        42.2.3(w) - n
  30(d) - y
                         33K - n
                                                                 44I(x) - n
                        34.1 - n
                                        42.2.3(d) - n
31.1(x) - y
                                                                 44I(w) - n
                                            43A(x) - y
                        34.2 - n
31.1(w) - y
                                                                 44I(d) - n
                      34.3.1 - n
                                            43A(w) - n
31.1(d) - y
                                            43A(d) - y
                                                                    45A - y
31.2(x) - n
                      34.3.2 - i
                                                                    45B - n
                        35.1 - n
                                            43B(x) - n
31.2(w) - n
                                                                    450 - n
                                            43B(w) - y
31.2(d) - n
                        35.2 - i
```

WET Answer Dataset for "TIS14"

450 - n	48B(w) → n	49.2(x) - n	55.3 - u
45E - n	48B(d) - n	49.2(w) - n	55.4 - u
45F - n	48C(x) - n	49.2(d) - n	56.1 - u
45G - n	48C(w) - n	49.3(x) - n	56.2 - u
46A(x) - y	48C(d) - n	49.3(w) - n	57.1 - u
46A(w) - y	48D(x) - n	49.3(d) - n	57.2 - u
46A(d) - y	48D(w) - n	50(x) - n	58 - u
46B(x) - n	480(d) n	50(w) - n	59.1 - u
46B(w) - n	48E(x) - n	50 (d) – n	59.2 - u
46B(d) - n	48E(w) - n	51.1 - u	60 - u
46C(x) - n	48E(d) - n	51 _2 - u	61 - u
46C(w) - n	48F(x) - n	52_1 - u	62 - u
46C(d) - n	48F(w) - n	5 2. 2 - u	63.1 - u
47A - y	48F(d) - n	5 3 _1 - u	63.2 - u
47B - n	49.1.1(x) - n	5 3. 2 - u	64 - u
47C - n	49.1.1(w) - n	54 (x) ~ น	CR - 2
48A(x) - y	49.1.1(d) - n	54 (w) – u	1 - n
48A(w) - y	49.1.2(x) - n	54 (d) – u	2 - n
48A(d) - y	49.1.2(w) - n	55.1 - u	3 - n
48B(x) - n	49.1.2(d) - n	55.2 - u	4 - n