

Project Worksheet

version 4.0

Project #

J1.0 Name of Project:

OUC McIntosh Substation - Cane Island Tap Transmission Line Maintenance

If more than 6 polygons: use multiple pages and calculate "Net" on last page.

Page 1 of 1

J2.0 Tally Polygons. If mitigation bank, enter number of credits in column D2 and leave columns A, B and C blank.

Add Columns A and B, multiply by Column C, and write result in either Column D1, or D2, or D3 (Choose one only)

Cumulative Total Units (if multiple pages):		<-copy from previous page->					
A	B	C	D1	D2	Proximity	D2 X Prox	D3
Units/Acre subtotals copied from Polygon Worksheet		Acres in the Polygon	(A+B) X C On-Site Impact (Units)	(A+B) X C Off-Site Mitigation	Factor from X6.0 of Wrksht	Off-Site Mitigation (Units)	(A+B) X C On-Site Mitigation (Units)
WRAP Score							
Polygon	511 - McIntosh-Agnes						
Ditches	0.54	0.21	0.11		X	=	
Polygon	534 - McIntosh-Agnes						
Reservoir	0.51	0.06	0.03		X	=	
Polygon	641 - McIntosh-Agnes						
Freshwater marshes	0.67	2.86	1.92		X	=	
Polygon	643 - McIntosh-Agnes						
Wet prairies	0.64	0.02	0.01		X	=	
Polygon	511 - Agnes-Osceola						
Ditch	0.69	0.02	0.01		X	=	
Polygon	641 - Agnes-Osceola						
Freshwater marshes	0.77	0.18	0.14		X	=	
Polygon	534 - Osceola-CI Tap						
Reservoir	0.5	0.15	0.08		X	=	
3.5							
Subtotals (include previous page(s)):			2.3	<- - copy onto next page - ->			
		Loss	2.3	Net Units		Lift	Lift

J3.0 **Net** = (Units of Lift) - (Units of Loss)

If total units of mitigation (Lifts) equal total units of impact (Losses), then the net sum will be zero and project has appropriate compensatory mitigation (subject to application of common sense).

If net sum is other than zero, then adjust acres of one or more polygons to bring into balance.

J4.0 Remarks

Total impact acreage = 3.5; 2.3 credits

WRAP Field Data Sheet

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WRAP # W

511

PERMIT NUMBER: DATE: Aug-11

PROJECT: OUC McIntosh Substation - Lake Agnes Transmission Line Maintenance

WETLAND TYPE: Ditches (FLUCFCS 511) -Wetlands 49A, 45A, 44A, 37D, 35A, 27A

ACRES: 0.21

LAND USE: Improved pasture (40%), undeveloped/natural (30%), highways (30%)

TICK ONE: ☒ EXIST CONDITION ☐ WITH (RESULT OF) PROJECT ☐ WITHOUT PROJECT

WILDLIFE UTILIZATION SCORE: 1 SCORE DIVIDED BY 3 = 0.33

NOTES: near major highway, disturbed hydroperiod, occasional wildlife utilization by wading birds

WETLAND CANOPY (OVERSTORY/SHRUB) SCORE: N/A SCORE DIVIDED BY 3 = N/A

NOTES: no canopy component

WETLAND GROUNDCOVER SCORE: 2 SCORE DIVIDED BY 3 = 0.67

NOTES: Groundcover dominated by native species, although common weeds present

HABITAT SUPPORT (UP/WET BUFFER) SCORE: 2 SCORE DIVIDED BY 3 = 0.67

NOTES: Adjacent upland/wetland buffer averages approximately 300 feet, but dominated by pasture grasses

FIELD HYDROLOGY SCORE: 1.5 SCORE DIVIDED BY 3 = 0.5

NOTES: Hydrologic regime altered from historical condition, ditches constructed to provide drainage of roads and agricultural lands

WQ INPUT & TREATMENT (WATER QUALITY) SCORE: 1.6 SCORE DIVIDED BY 3 = 0.53

NOTES: improved pasture dominant, undeveloped natural areas and highways subdominant

LU= $(40\% \times 1) + (30\% \times 3) + (30\% \times 1) = 1.6$ PT= $(70\% \times 1) + (30\% \times 3) = 1$

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WRAP # W

534

PERMIT NUMBER: DATE: Aug-11

PROJECT: OUC McIntosh Substation - Lake Agnes Transmission Line Maintenan

WETLAND TYPE: Retention Pond (FLUCFCS 534) - Wetland 23A

ACRES: 0.06

LAND USE: Improved pasture (40%), undeveloped/natural (30%), highways (30%)

TICK ONE: ☒ EXIST CONDITION ☐ WITH (RESULT OF) PROJECT ☐ WITHOUT PROJECT

WILDLIFE UTILIZATION SCORE: 2 SCORE DIVIDED BY 3 = 0.67

NOTES: Retention ponds used to collect road drainage and provide water for cattle. Also provides habitat for wading birds and waterfowl, herpetofauna, and fish species.

WETLAND CANOPY (OVERSTORY/SHRUB) SCORE: N/A SCORE DIVIDED BY 3 = N/A

NOTES: no canopy component

WETLAND GROUNDCOVER SCORE: 1.5 SCORE DIVIDED BY 3 = 0.5

NOTES: There is a mixture of native and invasive/exotic vegetation along the banks and in the littoral zones of the reservoirs

HABITAT SUPPORT (UP/WET BUFFER) SCORE: 1.5 SCORE DIVIDED BY 3 = 0.5

NOTES: Adjacent upland/wetland buffer averages between 30-300 feet and is predominantly pasture grasses

FIELD HYDROLOGY SCORE: 1 SCORE DIVIDED BY 3 = 0.33

NOTES: Altered hydrologic regime, man-made retention ponds

WQ INPUT & TREATMENT (WATER QUALITY) SCORE: SCORE DIVIDED BY 3 = 0.53

NOTES: improved pasture dominant, undeveloped natural areas and highways subdominant

LU= $(40\% \times 1) + (30\% \times 3) + (30\% \times 1) = 1.6$

PT= $(70\% \times 1) + (30\% \times 3) = 1.6$

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WRAP # W

641

PERMIT NUMBER: DATE: Aug-11

PROJECT: OUC McIntosh Substation - Lake Agnes Transmission Line Maintenance

WETLAND TYPE: Freshwater Marsh (FLUCFCS 641)-Wetlands 60B, 60C, 48B, 48C, 43B, 37B

35B, 35D, 33B, 29A, 27B, 19A, 16A/18A, 13C, 12A, 9A/11A, and 8B ACRES: 2.86

LAND USE: Improved pasture (40%), undeveloped/natural (30%), highways (30%)

TICK ONE: ☒ EXIST CONDITION ☐ WITH (RESULT OF) PROJECT ☐ WITHOUT PROJECT

WILDLIFE UTILIZATION SCORE: 1.5 SCORE DIVIDED BY 3 = 0.5

NOTES: Proximity to high-traffic roadways reduces wildlife utilization significantly.
.....
.....

WETLAND CANOPY (OVERSTORY/SHRUB) SCORE: N/A SCORE DIVIDED BY 3 = N/A

NOTES: no canopy component

WETLAND GROUNDCOVER SCORE: 2.5 SCORE DIVIDED BY 3 = 0.83

NOTES: Groundcover dominated by native species, high species diversity, some non-native/exotic
species present

HABITAT SUPPORT (UP/WET BUFFER) SCORE: 2 SCORE DIVIDED BY 3 = 0.67

NOTES: Adjacent upland/wetland buffer averages greater than 300 feet, but dominated by pasture grasses
associated with transmission line and road ROW, stormwater basins; generally area to south of wetlands
provides native vegetative buffer

FIELD HYDROLOGY SCORE: 2.5 SCORE DIVIDED BY 3 = 0.83

NOTES: Hydrologic regime adequate to maintain viable wetland system, although alterations in natural
hydroperiod evident in landscape, including man-made stormwater basins and ditches.
.....

WQ INPUT & TREATMENT (WATER QUALITY) SCORE: 1.6 SCORE DIVIDED BY 3 = 0.53

NOTES: improved pasture dominant, undeveloped natural areas and highways subdominant

LU= (40% x 1) + (30% x 3) + (30% x 1) 1.6

PT= (70% x 1) + (30% x 3) = 1.6

created by: Mdiaz/Miami Oct98 revised Nov98

WRAP SCORE 0.67

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WRAP # W

643

PERMIT NUMBER: DATE: Aug-11

PROJECT: OUC McIntosh Substation - Lake Agnes Transmission Line Maintenance

WETLAND TYPE: Wet Prairie (FLUCFCS 643)-Wetlands 34A and 34C

ACRES: 0.02

LAND USE: Improved pasture (40%), undeveloped/natural (30%), highways (30%)

TICK ONE: ☒ EXIST CONDITION ☐ WITH (RESULT OF) PROJECT ☐ WITHOUT PROJECT

WILDLIFE UTILIZATION SCORE: 2 SCORE DIVIDED BY 3 = 0.67

NOTES: ephemeral hydroperiod, disturbed, occasional utilization by wading birds and amphibians

WETLAND CANOPY (OVERSTORY/SHRUB) SCORE: N/A SCORE DIVIDED BY 3 = N/A

NOTES: no canopy component

WETLAND GROUNDCOVER SCORE: 2 SCORE DIVIDED BY 3 = 0.67

NOTES: Groundcover dominated by native species, although common pasture weeds present and some trampling due to cattle

HABITAT SUPPORT (UP/WET BUFFER) SCORE: 2 SCORE DIVIDED BY 3 = 0.67

NOTES: Adjacent upland/wetland buffer averages greater than 300 feet, but dominated by pasture grasses

FIELD HYDROLOGY SCORE: 2 SCORE DIVIDED BY 3 = 0.67

NOTES: Hydrologic regime adequate to maintain viable wetland system, although external features such as culverts, drainage ditches alter natural hydroperiods

WQ INPUT & TREATMENT (WATER QUALITY) SCORE: 1.6 SCORE DIVIDED BY 3 = 0.53

NOTES: improved pasture dominant, undeveloped natural areas and highways subdominant

LU= $(40\% \times 1) + (30\% \times 3) + (30\% \times 1) = 1.6$ PT= $(70\% \times 1) + (30\% \times 3) = 1.6$

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WRAP # W

511

PERMIT NUMBER: DATE: Aug-11

PROJECT: OUC Lake Agnes Substation -Osceola Substation Transmission Line Maintenance

WETLAND TYPE: Ditches (FLUCFCS 511) - Wetland 176A

ACRES: 0.02

LAND USE: Improved pasture (70%), undeveloped/natural (30%)

TICK ONE: ☒ EXIST CONDITION ☐ WITH (RESULT OF) PROJECT ☐ WITHOUT PROJECT

WILDLIFE UTILIZATION SCORE: 2 SCORE DIVIDED BY 3 = 0.67

NOTES: Ephemeral hydroperiod, disturbed, occasional wildlife utilization by wading birds; proximity to roads and residential areas reduces wildlife utilization

WETLAND CANOPY (OVERSTORY/SHRUB) SCORE: N/A SCORE DIVIDED BY 3 = N/A

NOTES: no canopy component

WETLAND GROUNDCOVER SCORE: 2.5 SCORE DIVIDED BY 3 = 0.83

NOTES: Groundcover dominated by native species, although a few invasive/nuisance species present

HABITAT SUPPORT (UP/WET BUFFER) SCORE: 2 SCORE DIVIDED BY 3 = 0.67

NOTES: Adjacent upland/wetland buffer averages greater than 300 feet, but dominated by pasture grasses

FIELD HYDROLOGY SCORE: 2 SCORE DIVIDED BY 3 = 0.67

NOTES: Hydrologic regime altered from historical condition, ditches constructed to provide drainage of pasturelands

WQ INPUT & TREATMENT (WATER QUALITY) SCORE: 1.78 SCORE DIVIDED BY 3 = 0.59

NOTES: improved pasture dominant, undeveloped natural areas subdominant

LU= $(70\% \times 1) + (30\% \times 3) = 1.6$ PT= $(70\% \times 1.5) + (30\% \times 3) = 1.95$

WRAP Field Data Sheet

version 4.0

WRAP # W

641

PERMIT NUMBER: DATE: Aug-11

PROJECT: OUC Lake Agnes Substation -Osceola Substation Transmission Line Maintenance

WETLAND TYPE: Freshwater Marsh - Wetlands 77A and 177A

ACRES: 0.18

LAND USE: Residential (60%), highway (20%), unimproved pasture/rangeland (20%)

TICK ONE: ☒ EXIST CONDITION ☐ WITH (RESULT OF) PROJECT ☐ WITHOUT PROJECT

WILDLIFE UTILIZATION SCORE: 2.5 SCORE DIVIDED BY 3 = 0.83

NOTES: Proximity to residential areas, high-traffic roadways reduces wildlife utilization somewhat.

WETLAND CANOPY (OVERSTORY/SHRUB) SCORE: N/A SCORE DIVIDED BY 3 = N/A

NOTES: no canopy component

WETLAND GROUNDCOVER SCORE: 2.5 SCORE DIVIDED BY 3 = 0.83

NOTES: Groundcover dominated by native species, high species diversity with little colonization
by non-native or exotic species

HABITAT SUPPORT (UP/WET BUFFER) SCORE: 2.5 SCORE DIVIDED BY 3 = 0.83

NOTES: Adjacent upland/wetland buffer averages greater than 300 feet, but dominated by pasture grasses
associated with transmission line ROW; area to south of wetlands
provides native vegetative buffer

FIELD HYDROLOGY SCORE: 2.5 SCORE DIVIDED BY 3 = 0.83

NOTES: Hydrologic regime adequate to maintain viable wetland system, with minimal alterations in
natural hydroperiod.

WQ INPUT & TREATMENT (WATER QUALITY) SCORE: 1.6 SCORE DIVIDED BY 3 = 0.53

NOTES: residential land use dominant, unimproved pasture and roadways subdominant

LU= $(60\% \times 1.5) + (20\% \times 1) + (20\% \times 2.5) = 1.6$ PT= $(60\% \times 1.5) + (20\% \times 1) + (20\% \times 2.5) = 1.6$

WRAP Field Data Sheet

version 4.0

WRAP # W

534

PERMIT NUMBER: DATE: Aug-11

PROJECT: OUC Osceola Substation -Cane Island Tap Transmission Line Maintenance

WETLAND TYPE: Reservoirs (FLUCFCS 534) - Wetland 210A

..... ACRES: 0.15

LAND USE: Highways (70%), undeveloped/natural (30%)

TICK ONE: ☒ EXIST CONDITION ☐ WITH (RESULT OF) PROJECT ☐ WITHOUT PROJECT

WILDLIFE UTILIZATION SCORE: 1.5 SCORE DIVIDED BY 3 = 0.5

NOTES: Narrow littoral zone, occasional wildlife utilization by wading birds; proximity to high traffic roads
..... reduces wildlife utilization

WETLAND CANOPY (OVERSTORY/SHRUB) SCORE: N/A SCORE DIVIDED BY 3 = N/A

NOTES: no canopy component

WETLAND GROUNDCOVER SCORE: 2 SCORE DIVIDED BY 3 = 0.67

NOTES: Dominated by native species, although a few invasive/nuisance species present such as torpedo grass
..... and cattail

HABITAT SUPPORT (UP/WET BUFFER) SCORE: 1.5 SCORE DIVIDED BY 3 = 0.5

NOTES: Adjacent upland/wetland buffer averages less than 300 feet, but dominated by pasture grasses. There
..... is some natural area in the buffer, but the wetland is very near to a major highway.

FIELD HYDROLOGY SCORE: 1 SCORE DIVIDED BY 3 = 0.33

NOTES: Man-made retention feature.

WQ INPUT & TREATMENT (WATER QUALITY) SCORE: 1.55 SCORE DIVIDED BY 3 = 0.52

NOTES: Highways (70%), undeveloped/natural (30%)

LU= (70% x 1) + (30% x 3) = 1.6

PT= (100% x 1.5) = 1.5