APPENDIX D

ADDITIONAL PLOTS

STEINHATCHEE RIVER, FLORIDA

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK FLORIDA 32060

MAY 2018

APPLIED TECHNOLOGY AND MANAGEMENT, INC.
2201 NW 40 TERRACE.
GAINESVILLE, FLORIDA 32605
386-256-1477

JANICKI ENVIRONMENTAL, INC.
1155 EDEN ISLE DRIVE NE
ST. PETERSBURG, FL 33704
727-895-7722
Salinity versus Flow Plots
Steinhatchee River Daily Salinity versus Flow
River Mile 0.5
Discharge <= 838 cfs

Steinhatchee River Daily Salinity versus Flow
River Mile 1.5
Discharge <= 838 cfs

Daily mean surface and bottom salinities versus flow (<90th percentile flow) for RM 0.5 and RM 1.5.
Daily mean surface and bottom salinities versus flow (<90th percentile flow) for RM 2.5 and RM 3.5.
Steinhatchee River Daily Salinity versus Flow
River Mile 4.5
Discharge <= 838 cfs

(ppt)

Steinhatchee River Daily Salinity versus Flow
River Mile 5.5
Discharge <= 838 cfs

(ppt)

Daily mean surface and bottom salinities versus flow (<90th percentile flow) for RM 4.5 and RM 5.5.
Steinhatchee River Daily Salinity versus Flow
River Mile 0.5
Discharge <= 102 cfs

Steinhatchee River Daily Salinity versus Flow
River Mile 1.5
Discharge <= 102 cfs

Daily mean surface and bottom salinities versus flow (<median flow) for RM 0.5 and RM 1.5.
Daily mean surface and bottom salinities versus flow for (<median flow) for RM 2.5 and RM 3.5
Daily mean surface and bottom salinities versus flow (<median flow) for RM 4.5 and RM 5.5
Time Series of
Monthly Salinities by Habitat
Time series of bottom area compared to 0 percent flow reduction (=0 ppt).
Time series of bottom area compared to 0 percent flow reduction (<=2 ppt).
Time series of bottom area compared to 0 percent flow reduction (<=5 ppt).
Time series of habitat volume compared to 0 percent flow reduction (=0 ppt).
Time series of habitat volume compared to 2 percent flow reduction (<=2 ppt).
Time series of habitat volume compared to 5 percent flow reduction (<=5 ppt).
Time series of shoreline length compared to 0 percent flow reduction (=0 ppt).
Time series of shoreline length compared to 0 percent flow reduction (<=2 ppt).
Time series of shoreline length compared to 0 percent flow reduction (<=5 ppt).
Cumulative Distribution Functions Of Salinity Verses Habitat
CDF of bottom area compared to 0 percent flow reduction (=0 ppt).
CDF of bottom area compared to 0 percent flow reduction (<=2 ppt).
CDF of bottom area compared to 0 percent flow reduction (<=5 ppt).
CDF of habitat volume compared to 0 percent flow reduction (=0 ppt).
CDF of habitat volume compared to 0 percent flow reduction (<=2 ppt).
CDF of habitat volume compared to 0 percent flow reduction (<=5 ppt).
CDF of shoreline length compared to 0 percent flow reduction (=0 ppt).
CDF of shoreline length compared to 0 percent flow reduction (<=2 ppt).
CDF of shoreline length compared to 0 percent flow reduction (<=5 ppt).
Wetted Perimeter versus Flow
Steinhatchee River - RM 11.6

Steinhatchee River - RM 11.9

Steinhatchee River - RM 12.15

Steinhatchee River - RM 12.4

Steinhatchee River - RM 12.85

Steinhatchee River - RM 12.89