

**Northwest Florida Water Management District
Governing Board Meeting Minutes**

***Thursday, November 14, 2019
Gulf County Courthouse Complex
1000 Cecil G. Costin, Sr. Blvd.,
Port St. Joe, FL 32456***

1. Opening Ceremonies

Called to order at 1:03 p.m.

Brett Cyphers called the roll and a quorum was declared present.

Present: George Roberts, Chair; Jerry Pate, Vice Chair; Jon Costello; Ted Everett; Bo Spring

Absent: None

2. Special Thanks and Recognition

None.

3. Changes to the Agenda

None.

4. Approval of the Minutes for October 24, 2019

MOTIONED BY JON COSTELLO, SECONDED BY BO SPRING, THAT THE GOVERNING BOARD APPROVE THE MINUTES FOR OCTOBER 24, 2019. NO PUBLIC COMMENT WAS GIVEN. MOTION CARRIED.

5. Approval of the Financial Reports for the Month of September 2019

MOTIONED BY JON COSTELLO, SECONDED BY BO SPRING, THAT THE GOVERNING BOARD APPROVE THE FINANCIAL REPORTS FOR THE MONTH OF SEPTEMBER 2019. NO PUBLIC COMMENT WAS GIVEN. MOTION CARRIED.

6. Approval of Revisions to the 2020 Governing Board Meeting Schedule

MOTIONED BY JON COSTELLO, SECONDED BY BO SPRING, THAT THE GOVERNING BOARD APPROVE THE REVISIONS TO THE 2020 GOVERNING BOARD MEETING SCHEDULE. NO PUBLIC COMMENT WAS GIVEN. MOTION CARRIED.

7. Consideration of Resolution No. 860 Amending the Fiscal Year 2018-2019 Budget – Amendment No. 16

MOTIONED BY JON COSTELLO, SECONDED BY BO SPRING, THAT THE GOVERNING BOARD ADOPT RESOLUTION NO. 860 AMENDING THE FISCAL YEAR 2018-2019 BUDGET AND ALLOW STAFF TO REALIGN REVENUES AND RESERVES TO MAINTAIN THE PROPER BALANCE IN EACH FUND. MOTION CARRIED.

8. Consideration of Amendment No. 1 to the Glover Conservation Easement; Choctawhatchee River/Holmes Creek WMA

MOTIONED BY JON COSTELLO, SECONDED BY BO SPRING, THAT THE GOVERNING BOARD AUTHORIZE STAFF TO MOVE FORWARD WITH APPRAISALS OF THE AMENDMENT. NO PUBLIC COMMENT WAS GIVEN. MOTION CARRIED.

9. Consideration of Agreement with Franklin's Promise Coalition, Inc., for Conservation Corps Crews

MOTIONED BY JON COSTELLO, SECONDED BY BO SPRING, THAT THE GOVERNING BOARD AUTHORIZE THE EXECUTIVE DIRECTOR TO EXECUTE AN AGREEMENT WITH FRANKLIN'S PROMISE COALITION, INC., FOR CONSERVATION CORPS CREWS, SUBJECT TO LEGAL AND ADMINISTRATIVE REVIEW AND APPROVAL OF THE AGREEMENT. NO PUBLIC COMMENT WAS GIVEN. MOTION CARRIED.

10. Consideration of Extension to Memorandum of Agreement with Jackson County Board of County Commissioners for the Bellamy Bridge Heritage Trail

MOTIONED BY JON COSTELLO, SECONDED BY BO SPRING, THAT THE GOVERNING BOARD APPROVE A THREE-YEAR EXTENSION TO THE MEMORANDUM OF AGREEMENT WITH JACKSON COUNTY BOARD OF COUNTY COMMISSIONERS FOR COMPLETION OF PHASE III TRAIL DEVELOPMENT ACTIVITIES, SUBJECT TO APPROVAL BY THE COUNTY COMMISSION. NO PUBLIC COMMENT WAS GIVEN. MOTION CARRIED.

11. Consideration of ITB 20B-001; 2020 Hand Planting Services for Reforestation

MOTIONED BY JON COSTELLO, SECONDED BY BO SPRING, THAT THE GOVERNING BOARD AWARD THE BID FOR THE 2020 HAND PLANTING SERVICES FOR THE REFORESTATION PROJECT TO SUPERIOR FORESTRY SERVICE, INC. AND AUTHORIZE THE EXECUTIVE DIRECTOR TO EXECUTE AN AGREEMENT IN THE AMOUNT OF \$53,389.00. NO PUBLIC COMMENT WAS GIVEN. MOTION CARRIED.

12. Consideration of Bids and Agreement for Construction Services for the Seven Runs Creek Streambank Restoration Project

MOTIONED BY JON COSTELLO, SECONDED BY BO SPRING, THAT THE GOVERNING BOARD AUTHORIZE THE EXECUTIVE DIRECTOR TO NEGOTIATE AND ENTER INTO A CONTRACT WITH DIVERSIFIED PROFESSIONAL SERVICES CORPORATION FOR AN AMOUNT NOT TO EXCEED \$139,852.00 FOR CONSTRUCTION SERVICES FOR THE SEVEN RUNS CREEK STREAMBANK RESTORATION AND PROTECTION PROJECT. NO PUBLIC COMMENT WAS GIVEN. MOTION CARRIED.

13. Consideration of Fiscal Year 2019-2020 Alternative Water Supply Funding

MOTIONED BY JON COSTELLO, SECONDED BY BO SPRING, THAT THE GOVERNING BOARD AUTHORIZE THE EXECUTIVE DIRECTOR TO ENTER INTO AN AGREEMENT WITH DEP AND THE GRANTEE FOR \$2,500,000 TO IMPLEMENT AN ALTERNATIVE WATER SUPPLY PROJECT WITHIN WATER SUPPLY PLANNING REGION II, SUBJECT TO LEGAL COUNSEL REVIEW. NO PUBLIC COMMENT WAS GIVEN. MOTION CARRIED.

14. Public Hearing 1:05 p.m. – Consideration of Regulatory Matters

Called to order at 1:15 p.m.

A-1 APPLICANT: DESTIN WATER USERS

APP. NO.: 2B-091-5916-6
USE: LANDSCAPE/RECREATION

MOTIONED BY JON COSTELLO, SECONDED BY BO SPRING, THAT THE GOVERNING BOARD APPROVE APPLICATION NO. 2B-091-5916-6, DESTIN WATER USERS, PER THE RECOMMENDATIONS AND CONDITIONS OF THE STAFF REPORTS AND PER THE TERMS AND CONDITIONS OF THE PERMIT DOCUMENTS. NO PUBLIC COMMENT WAS GIVEN. MOTION CARRIED.

15. Legislative Overview

Informational purposes only.

16. Legal Counsel Report

Breck Brannen provided a status report on the case referenced below.

Carmen Diaz, Petitioner, vs. Northwest Florida Water Management District, Respondent, Amended Petition for Formal Proceedings before a Hearing Officer, Permit No.: IND-073-288406-1

17. Hurricane Michael Recovery Update

Informational purposes only.

Meeting was adjourned at 1:41 p.m.

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
Financial Report
Summary Statement of Receipts, Disbursements & Cash Balances
For Month Ending October 31, 2019

Balance Forward - Operating Funds \$41,970,150.94

Operating Funds Received in current month:

Revenue Receipts, Current	\$170,085.74	
Contracts Receivable	3,449,544.00	
Other Deposits/Refunds/Adjustments	40,375.27	
Transfers from Lands Accounts	0.00	
Total Deposits during month	3,660,005.01	3,660,005.01

Total Deposits and Balance Forward \$ 45,630,155.95

Disbursements:

Employee Salaries	435,212.89	
Employee Benefits	207,055.83	
Employee Flexible Spending Account	0.00	
Contractual Services (Professional)	797,922.95	
Operating Expenses - Services	286,357.66	
Operating Expenses - Commodities	197,231.78	
Operating Capital Outlay	154,171.80	
Grants and Aids	75,400.00	
Total Operating Expenses during month	2,153,352.91	
Payables, Prior Year	10.50	
Other Disbursements or (Credits)	19,048.91	
Total Funds Disbursed by check during month	2,172,412.32	
Bank Debits (Fees, Deposit Slips, etc.)	0.89	
Transfer to Land Acquisition Account	0.00	
Total Funds Disbursed	2,172,413.21	2,172,413.21

Cash Balance Operating Funds at month end \$ 43,457,742.74

Operating Depositories:

Petty Cash Fund	250.25	
Bank of America:		
General Fund Checking	5,679,034.36	
Payroll Account	6,255.76	
Investment Accounts:		
Fla. Board of Administration @ 2.04%		
General Fund	14,684,735.12	
Lands Fee Fund	6,618,265.63	
SWIM Fund	103,562.62	
Springs Protection	57.60	
Mitigation Fund	16,365,581.40	

Total Operating Depositories at month end \$ 43,457,742.74

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
Financial Report
Summary Statement of Receipts, Disbursements & Cash Balances
For Month Ending October 31, 2019

Land Acquisition Funds:

Fla. Board of Administration @ 2.04%	\$ <u>296,878.16</u>	
Total Land Acquisition Funds		296,878.16

Restricted Management Funds:

Fla. Board of Administration Phipps Land Management Account @ 2.04%	63,737.45	
Total Land Acquisition Funds		

Fla. Board of Administration Cypress Springs R&M Account @ 2.04%	831,621.16	
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Total Restricted Land Management Funds		<u>895,358.61</u>
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Total Land Acquisition, and Restricted Management Funds		<u>1,192,236.77</u>
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TOTAL OPERATING, LAND ACQUISITION, & RESTRICTED FUNDS AT MONTH END		<u><u>\$ 44,649,979.51</u></u>
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Approved: _____
Chairman or Executive Director

Date: December 12, 2019

Northwest Florida Water Management District
Statement of Sources and Uses of Funds
For the Period ending October 31, 2019
(Unaudited)

	Current Budget	Actuals Through 10/31/2019	Variance (under)/Over Budget	Actuals As A % of Budget
Sources				
Ad Valorem Property Taxes	\$ 3,529,580	\$ -	\$ (3,529,580)	0%
Intergovernmental Revenues	59,300,084	6,026,603	(53,273,481)	10%
Interest on Invested Funds	265,000	69,546	(195,454)	26%
License and Permit Fees	355,642	54,365	(301,277)	15%
Other	5,295,224	47,941	(5,247,283)	1%
Fund Balance	25,504,703		(25,504,703)	0%
Total Sources	\$ 94,250,233	\$ 6,198,455	\$ (88,051,778)	7%

	Current Budget	Expenditures	Encumbrances¹	Available Budget	%Expended	%Obligated²
Uses						
Water Resources Planning and Monitoring	\$ 7,126,011	\$ 220,409	\$ 112,433	\$ 6,793,169	3%	5%
Acquisition, Restoration and Public Works	56,181,393	63,855	336,362	55,781,175	0%	1%
Operation and Maintenance of Lands and Works	4,371,326	193,472	181,158	3,996,696	4%	9%
Regulation	3,853,337	304,091	46,330	3,502,916	8%	9%
Outreach	132,619	13,002	-	119,617	10%	10%
Management and Administration	2,025,816	156,523	16,018	1,853,275	8%	9%
Total Uses	\$ 73,690,502	\$ 951,352	\$ 692,302	\$ 72,046,848	1%	2%
Reserves	20,559,731			20,559,731	0%	0%
Total Uses and Reserves	\$ 94,250,233	\$ 951,352	\$ 692,302	\$ 92,606,579	1%	2%

¹ Encumbrances represent unexpended balances of open purchase orders and contracts.

² Represents the sum of expenditures and encumbrances as a percentage of the available budget.

This unaudited financial statement is prepared as of October 31, 2019, and covers the interim period since the most recent audited financial statements.

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT

SCHEDULE OF DISBURSEMENTS

GENERAL FUND

OCTOBER 2019

CHECKS	10/2/2019	\$	171,388.75
AP EFT CHECKS	10/4/2019		11,634.89
AP EFT CHECKS	10/4/2019		114.81
CHECKS	10/4/2019		302,268.13
AP EFT CHECKS	10/4/2019		37,725.92
CHECKS	10/8/2019		7,025.00
AP EFT CHECKS	10/8/2019		60.00
DIRECT DISBURSEMENT	10/8/2019		100.00
CHECKS	10/10/2019		414,429.37
AP EFT CHECKS	10/11/2019		11,097.67
AP EFT CHECKS	10/11/2019		165.54
AP EFT CHECKS	10/11/2019		84.55
CHECKS	10/17/2019		198,284.00
AP EFT	10/18/2019		15,600.00
CHECKS	10/18/2019		142,743.18
AP EFT CHECKS	10/18/2019		890.53
CHECKS	10/24/2019		333,811.69
AP EFT CHECKS	10/25/2019		3,141.00
CHECKS	10/25/2019		10,024.59
AP EFT CHECKS	10/25/2019		5,455.41
VOIDED CHECKS	10/31/2019		-100.00
RETIREMENT	10/31/2019		55,381.84
		\$	<u>1,721,326.87</u>

Chairman or Executive Director

December 12, 2019
Date

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
AP COMPUTER PAID/EFT CHECKS

VENDOR	NAME	CHECK DATE	INVOICE NET	INVOICE DESCRIPTION
5692	ADAM'S EARTH FARM	10/04/2019	5,000.00	TRAIL CLEARING - HURRICANE DEB
95	AT&T	10/04/2019	260.62	PHONE SERVICE EFO
2197	A J TROPHIES & AWARDS INC	10/04/2019	79.95	AWARD
4528	BACK FORTY SOLUTIONS, INC	10/04/2019	62,034.47	AERIAL HERBICIDE APPLICATION F
5003	THE BALMORAL GROUP, LLC	10/04/2019	12,809.37	WATER SUPPLY PLANNING AND ECON
5697	BARTON CONSTRUCTION INC	10/04/2019	5,490.00	INSTALLATION OF BALLISTIC MATE
5689	WILLIAM D JONES	10/04/2019	690.25	REPAIR BUSTED PIPE AT LAKE JAC
5033	JON COSTELLO	10/04/2019	8.90	GOVERNING BOARD MEETING
3126	DEWBERRY ENGINEERS, INC	10/04/2019	49,595.34	RISK MAP PROGRAM SUPPORT
3126	DEWBERRY ENGINEERS, INC	10/04/2019	19,462.50	RISK MAP PROGRAM SUPPORT
3126	DEWBERRY ENGINEERS, INC	10/04/2019	36,530.20	RISK MAP PROGRAM SUPPORT
3126	DEWBERRY ENGINEERS, INC	10/04/2019	3,500.00	RISK MAP PROGRAM SUPPORT
45	DMS	10/04/2019	617.24	DEFUNIAK LOCAL PHONES
45	DMS	10/04/2019	21.88	AIR CARDS AND HOTSPOTS
45	DMS	10/04/2019	9,820.92	HQ ETHERNET
45	DMS	10/04/2019	5.06	LAN PORTS/ INTERNET
45	DMS	10/04/2019	0.03	LAN PORTS & INTRANET/INTERNET
45	DMS	10/04/2019	1.70	MILTON LONG DISTANCE
45	DMS	10/04/2019	69.60	MILTON LOCAL PHONES
45	DMS	10/04/2019	1,329.91	HQ LOCAL PHONES
45	DMS	10/04/2019	1,438.37	DEFUNIAK ETHERNET & LONG DISTANCE
45	DMS	10/04/2019	47.68	CONFERENCE CALLS
45	DMS	10/04/2019	139.38	HQ LONG DISTANCE
4963	ECOLOGICAL RESOURCE CONSULTANTS, INC.	10/04/2019	7,920.00	AS NEEDED ECOLOGICAL SERVICES
26	FL. SECRETARY OF STATE DIV OF ADMIN SERV	10/04/2019	30.38	FAR AD
26	FL. SECRETARY OF STATE DIV OF ADMIN SERV	10/04/2019	35.70	READVERTISEMENT OF ITB 19B-012
26	FL. SECRETARY OF STATE DIV OF ADMIN SERV	10/04/2019	34.86	9/26/2019 FAR AD
26	FL. SECRETARY OF STATE DIV OF ADMIN SERV	10/04/2019	34.72	FAR AD SEVEN RUNS ITB19B-012 P
26	FL. SECRETARY OF STATE DIV OF ADMIN SERV	10/04/2019	38.64	REGIONAL WATER SUPPLY PLAN PUB
3078	GEORGIA-FLORIDA BURGLAR ALARM CO, INC	10/04/2019	1,207.00	FIRE ALARM INDICATORS FOR IT &
3737	GULF COAST UTILITY CONTRACTORS, LLC	10/04/2019	750.00	JOHN DEERE LOADER TRANSPORT
916	GULF POWER COMPANY	10/04/2019	845.11	ELECTRIC- DEFUNIAK FIELD OFFICE
5227	MAC'S AUTO SERVICE	10/04/2019	686.95	BRAKE PADS, ROTOR & CALIPER'S
63	NORTHWEST FLORIDA DAILY NEWS	10/04/2019	165.36	NORTHWEST FL DAILY NEWS AD REG
1205	OFFICE DEPOT, INC.	10/04/2019	86.20	OFFICE SUPPLIES
1205	OFFICE DEPOT, INC.	10/04/2019	35.46	OFFICE SUPPLIES
5615	OFFICIAL PAYMENTS CORP	10/04/2019	487.88	ONLINE PERMITTING FEES
5610	OKALOOSA-WALTON SECURITY & SURVEILLANCE	10/04/2019	75.00	DEFUNIAK ALARM
5610	OKALOOSA-WALTON SECURITY & SURVEILLANCE	10/04/2019	75.00	DEFUNIAK ALARM
5610	OKALOOSA-WALTON SECURITY & SURVEILLANCE	10/04/2019	75.00	DEFUNIAK ALARM
64	PANAMA CITY NEWS HERALD	10/04/2019	65.48	LEGAL ADVERTISEMENT OF ITB 19B

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT

AP COMPUTER PAID/EFT CHECKS

64	PANAMA CITY NEWS HERALD	10/04/2019	1,250.00	TRIM ADVERTISEMENT
3384	PANHANDLE TRACTOR, INC.	10/04/2019	4,142.00	DISK HARROW
3960	GEORGE ROBERTS	10/04/2019	89.00	GOVERNING BOARD MEETING
4091	THE SHOE BOX	10/04/2019	144.00	STEEL TOE WORK BOOTS FOR CODY
4091	THE SHOE BOX	10/04/2019	200.00	REQUISITION FOR WORK BOOTS
4967	SAMUEL SPRING	10/04/2019	84.55	GOVERNING BOARD MEETING
3074	ST. JOHNS RIVER WATER MGMT DISTRICT	10/04/2019	62,790.12	HURRICANE RECOVERY-STATEWIDE MUTUAL AIDE AGREEMENT
4799	STAPLES CONTRACT & COMMERCIAL, INC.	10/04/2019	87.10	RMD OFFICE SUPPLIES
3783	SUTRON CORPORATION	10/04/2019	500.00	UPGRADE CDMALINK TO LTE TRANSM
107	TALLAHASSEE STAMP CO.	10/04/2019	85.30	OFFICE SUPPLIES
5700	JOSH TATUM	10/04/2019	194.96	TRAVEL REIMBURSEMENT
5682	VISION SYSTEMS UNLIMITED LLC	10/04/2019	9,608.00	FIELD CAMERA
5218	WAGEWORKS, INC.	10/04/2019	153.00	FLEXIBLE SPENDING ACCOUNT ADMI
382	WASHINGTON COUNTY NEWS	10/04/2019	86.00	WATER USE PERMIT LEGAL AD
4626	WASTE PRO OF FLORIDA, INC	10/04/2019	155.67	SOLID WASTE- HQ
4774	JOHN T WILLIAMSON	10/04/2019	180.00	JANITORIAL SERVICES FOR MILTON
4774	JOHN T WILLIAMSON	10/04/2019	180.00	JANITORIAL SERVICES FOR MILTON
2320	YSI INCORPORATED	10/04/2019	736.32	REPAIR BULKHEAD ASSEMBLY OF 60

TOTAL CHECKS

302,268.13

4944	BRETT CYPHERS	10/04/2019	172.66	TRAVEL REIMBURSEMENT
5166	JAMES A DANIEL	10/04/2019	49.00	TRAVEL REIMBURSEMENT
5298	TED EVERETT	10/04/2019	66.75	GOVERNING BOARD MEETING
3337	FORESTECH CONSULTING	10/04/2019	26,975.00	EAST REGION LAND MANAGEMENT PL
3942	A & W VENTURES, L.C.	10/04/2019	156.34	PORTABLE TOILET FOR PHIPPS PAR
1095	TYLER MACMILLAN	10/04/2019	90.00	TRAVEL REIMBURSEMENT
3813	PENNINGTON, P.A.	10/04/2019	75.00	TITLE SEARCH/EXAM ON WALLACE T
3813	PENNINGTON, P.A.	10/04/2019	10,015.17	LEGAL COUNSEL
3823	KENNETH ANDREW ROACH	10/04/2019	126.00	TRAVEL REIMBURSEMENT

TOTAL ACH TRANSFER

37,725.92

TOTAL AP

339,994.05

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT

AP COMPUTER PAID/EFT CHECKS

VENDOR	NAME	CHECK DATE	INVOICE NET	INVOICE DESCRIPTION
1616	BLUE CROSS/BLUE SHIELD OF FLORIDA	10/02/2019	296.19	MEDICARE INSURANCE
1616	BLUE CROSS/BLUE SHIELD OF FLORIDA	10/02/2019	51,521.95	EMPLOYEE MEDICAL INSURANCE
1616	BLUE CROSS/BLUE SHIELD OF FLORIDA	10/02/2019	759.21	RETIREE MEDICAL INSURANCE
1617	CAPITAL HEALTH PLAN	10/02/2019	86,756.41	EMPLOYEE MEDICAL INSURANCE
2701	FLORIDA MUNICIPAL INSURANCE TRUST	10/02/2019	24,533.50	1ST INSTALLMENT FY 19-20
4832	SUN LIFE FINANCIAL	10/02/2019	46.90	PREPAID DENTAL ACCT 5
4832	SUN LIFE FINANCIAL	10/02/2019	5,162.36	PPO DENTAL ACCT 4
4834	SUN LIFE FINANCIAL	10/02/2019	938.28	AD&D ACCT 1
4833	SUN LIFE FINANCIAL	10/02/2019	1,373.95	VOL LTD INSURANCE
	TOTAL CHECKS		<u>171,388.75</u>	
3293	ANGUS G. ANDREWS, JR.	10/04/2019	8,125.00	COMMERCIAL LEASE DEFUNIAK SPRI
2453	ESCAMBIA COUNTY PROPERTY APPRAISER	10/04/2019	3,509.89	1ST QTR FY 19-20
	TOTAL ACH TRANSFER		<u>11,634.89</u>	
	TOTAL AP		<u><u>183,023.64</u></u>	

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT

AP COMPUTER PAID/EFT CHECKS

VENDOR	NAME	CHECK DATE	INVOICE NET	INVOICE DESCRIPTION
4944	BRETT CYPHERS	10/04/2019	114.81	TRAVEL REIMBURSEMENT
	TOTAL ACH TRANSFER		<u>114.81</u>	
	TOTAL AP		<u><u>114.81</u></u>	

**NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
AP COMPUTER PAID/EFT CHECKS**

VENDOR	NAME	CHECK DATE	INVOICE NET	INVOICE DESCRIPTION
4875	DEPARTMENT OF ECONOMIC OPPORTUNITY	10/08/2019	175.00	ANNUAL SPECIAL DISTRICT FEE
3399	FLORIDA STORMWATER ASSOC., INC.	10/08/2019	850.00	FSA MEMBERSHIP
5016	LOBBYTOOLS, INC.	10/08/2019	4,250.00	LOBBYTOOLS ANNUAL SUBSCRIPTION
5001	NORTHWEST FLORIDA LEAGUE OF CITIES, INC	10/08/2019	250.00	NWFLC MEMBERSHIP
3711	US POSTAL SERVICE-HASLER	10/08/2019	1,500.00	REPLENISH HQTRS POSTAGE METER
TOTAL CHECKS			<u>7,025.00</u>	
5500	RYAN REGA	10/11/2019	60.00	TRAVEL REIMBURSEMENT
TOTAL ACH TRANSFER			<u>60.00</u>	
5556	REFUND OPAY	10/11/2019	100.00	BRYAN PUMPHREY P289067 W/D REF
TOTAL DIRECT DISBURESEMENT			<u>100.00</u>	
TOTAL AP			<u><u>7,185.00</u></u>	

**NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
AP COMPUTER PAID/EFT CHECKS**

VENDOR	NAME	CHECK DATE	INVOICE NET	INVOICE DESCRIPTION
5670	ASPEN SYSTEMS, INC	10/10/2019	78,461.87	HYDROLOGIC MODELING ENVIRONMEN
5003	THE BALMORAL GROUP, LLC	10/10/2019	2,280.96	WATER SUPPLY PLANNING AND ECON
2967	BANK OF AMERICA	10/10/2019	50.00	REG SUNPASS
2967	BANK OF AMERICA	10/10/2019	600.00	HAREPOINT EXTENSION FOR SHAREP
2967	BANK OF AMERICA	10/10/2019	517.50	SEFA LICENSE
2967	BANK OF AMERICA	10/10/2019	602.71	REPLACEMENT UPS UNIT FOR ECOFI
2967	BANK OF AMERICA	10/10/2019	173.63	LAB STORAGE SOLUTIONS FROM AMA
2967	BANK OF AMERICA	10/10/2019	897.31	STORAGE SOLUTIONS FOR LAB
2967	BANK OF AMERICA	10/10/2019	28.99	EXTENSION CABLE FOR CELL PHONE
2967	BANK OF AMERICA	10/10/2019	38.85	POWER STRIP SURGE PROTECTORS A
2967	BANK OF AMERICA	10/10/2019	279.00	STORAGE SOLUTIONS FOR LAB BUIL
2967	BANK OF AMERICA	10/10/2019	659.88	STORAGE SOLUTIONS FOR LAB BUIL
2967	BANK OF AMERICA	10/10/2019	320.06	REG SUPPLIES-AMAZON
2967	BANK OF AMERICA	10/10/2019	393.98	NETWORK CARDS FOR SERVERS
2967	BANK OF AMERICA	10/10/2019	84.26	REG SUPPLIES-AMAZON
2967	BANK OF AMERICA	10/10/2019	1,772.29	P-CARD PURCHASES
2507	CALHOUN LIBERTY JOURNAL	10/10/2019	25.88	WATER USE PERMIT LEGAL AD
5131	CITY OF DEFUNIAK SPRINGS	10/10/2019	196.52	WATER-DEFUNIAK SPRINGS
5687	COLLINS LAND SERVICES, INC.	10/10/2019	4,500.00	HAZARDOUS TREE TRIMMING AND RE
5687	COLLINS LAND SERVICES, INC.	10/10/2019	2,650.00	HAZARDOUS TREE TRIMMING AND RE
1859	FL DEPT. OF ENVIRONMENTAL PROTECTION	10/10/2019	505.00	LABORATORY ANALYSIS - EASTPOIN
1859	FL DEPT. OF ENVIRONMENTAL PROTECTION	10/10/2019	6,832.50	LABORATORY ANALYSIS - GROUNDWA
1859	FL DEPT. OF ENVIRONMENTAL PROTECTION	10/10/2019	837.45	LABORATORY ANALYSIS - ECONFINA
2241	DEPT. OF THE INTERIOR - USGS	10/10/2019	5,000.00	ACTUAL EVAPOTRANSPIRATION DATA
744	DEPT. OF THE INTERIOR - USGS	10/10/2019	4,092.00	GOES POTENTIAL AND REFERENCE E
3424	DURRA-QUICK-PRINT INC.	10/10/2019	15.00	BUSINESS CARDS-LANIER
4748	EAST MILTON WATER SYSTEM	10/10/2019	10.97	WATER-MILTON FIELD OFFICE
4748	EAST MILTON WATER SYSTEM	10/10/2019	50.00	ANNUAL TESTING OF BACKFLOW PRE
2526	ENVIRONMENTAL SIMULATIONS, INC.	10/10/2019	4,625.00	AS NEEDED HYDROLOGIC AND HYDRO
916	GULF POWER COMPANY	10/10/2019	651.54	ELECTRIC- MILTON FIELD OFFICE
61	JACKSON COUNTY FLORIDAN	10/10/2019	470.00	TRIM ADVERTISEMENT
5694	JARRET DENNIS	10/10/2019	2,038.75	STAFF AUGMENTATION
3603	JIM STIDHAM & ASSOCIATES, INC.	10/10/2019	5,040.00	PHASE I ESA AND BASELINE REPOR
4033	JOHNSTON TRUCKING, LLC	10/10/2019	28,000.00	LIMEROCK - SHLMB
4033	JOHNSTON TRUCKING, LLC	10/10/2019	28,500.00	ST ANDREWS TRACT ROAD MATERIAL

**NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
AP COMPUTER PAID/EFT CHECKS**

698	KONICA MINOLTA BUSINESS SOLUTIONS USA	10/10/2019	1,495.33	COPIER LEASE RENEWALS
5653	L & R CONTRACTING, LLC	10/10/2019	33,132.58	ECONFINA BLUE SPRING CAMP SHOR
5159	L & R TRACTOR INC.	10/10/2019	18,891.50	BEAVERDAM CREEK ROAD REPAIRS
5159	L & R TRACTOR INC.	10/10/2019	1,600.00	FILL FOR ECONFINA REC SITE REP
63	NORTHWEST FLORIDA DAILY NEWS	10/10/2019	380.01	WATER USE PERMIT LEGAL AD
63	NORTHWEST FLORIDA DAILY NEWS	10/10/2019	1,338.30	TRIM ADVERTISEMENT
4294	PANHANDLE KEY & SAFE, INC.	10/10/2019	100.00	PITT SPRING RR LOCK REPAIRS
62	PENSACOLA NEWS-JOURNAL	10/10/2019	182.18	PNJ ADVERTISEMENT FOR REGION I
4345	PRIDE ENTERPRISES FORESTRY	10/10/2019	7,945.05	RECREATION SITE SUPPLIES
4368	PROFESSIONAL HEALTH EXAMINERS	10/10/2019	50.00	LABORATORY TESTING
5533	REGISTER'S ENTERPRISES OF BAY COUNTY, LLC	10/10/2019	29,611.07	ECONFINA CREEK WMA LIME ROCK
5533	REGISTER'S ENTERPRISES OF BAY COUNTY, LLC	10/10/2019	2,250.00	SANDY CLAY FOR ROAD REPAIRS
5330	RESEARCH PLANNING, INC.	10/10/2019	30,800.00	2019 BAYPORT/SACRED HEART HERB
4897	SIGN PRO OF NORTH FLORIDA, INC.	10/10/2019	425.29	SIGN FABRICATION SERVICES
4897	SIGN PRO OF NORTH FLORIDA, INC.	10/10/2019	350.00	SIGN FABRICATION SERVICES
4897	SIGN PRO OF NORTH FLORIDA, INC.	10/10/2019	13,547.65	SIGN FABRICATION SERVICES
4577	SOUTHERN TIRE MART, LLC	10/10/2019	2,488.00	TS100 NEW HOLLAND TRACTOR TIRE
3074	ST. JOHNS RIVER WATER MGMT DISTRICT	10/10/2019	18,720.00	DISTRICT E-PERMITTING SYSTEM
105	TALLAHASSEE DEMOCRAT	10/10/2019	1,955.93	TRIM ADVERTISEMENT
110	TALQUIN ELECTRIC COOPERATIVE, INC.	10/10/2019	252.12	WATER/SEWER- HQ
110	TALQUIN ELECTRIC COOPERATIVE, INC.	10/10/2019	89.29	SECURITY LIGHTS- HQ
110	TALQUIN ELECTRIC COOPERATIVE, INC.	10/10/2019	4,241.17	ELECTRIC- HQ
4968	WANTMAN GROUP, INC.	10/10/2019	63,320.00	AS NEEDED PROFESSIONAL SURVEYI
382	WASHINGTON COUNTY NEWS	10/10/2019	62.00	NEWSPAPER READVERTISEMENT ITB1

TOTAL CHECKS

414,429.37

3337	FORESTECH CONSULTING	10/11/2019	10,098.75	SUPPORT AND HOSTING FOR LAND M
5368	KOUNTRY RENTAL NWF, INC.	10/11/2019	207.50	CLEANING OF ECONFINA OFFICE AN
5500	RYAN REGA	10/11/2019	30.00	TRAVEL REIMBURSEMENT
5614	ZACHARY J. SELLERS	10/11/2019	761.42	JANITORIAL SERVICE - DEFUNIAK

TOTAL ACH TRANSFER

11,097.67

TOTAL AP

425,527.04

NORTHWEST FLORIDA WATER MANAGMENT DISTRICT

AP COMPUTER PAID/EFT CHECKS

VENDOR	NAME	CHECK DATE	INVOICE NET	INVOICE DESCRIPTION
4944	BRETT CYPHERS	10/11/2019	165.54	TRAVEL REIMBURSEMENT
	TOTAL ACH TRANSFER		<u>165.54</u>	
	TOTAL AP		<u><u>165.54</u></u>	

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT**AP COMPUTER PAID/EFT CHECKS**

VENDOR	NAME	CHECK DATE	INVOICE NET	INVOICE DESCRIPTION
4944	BRETT CYPHERS	10/11/2019	84.55	TRAVEL REIMBURSEMENT
	TOTAL ACH TRANSFER		<u>84.55</u>	
	TOTAL AP		<u>84.55</u>	

**NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
AP COMPUTER PAID/EFT CHECKS**

VENDOR	NAME	CHECK DATE	INVOICE NET	INVOICE DESCRIPTION
3113	RAY GLASS' BATTERIES, INC.	10/18/2019	131.49	WMD 96272 BATTERY
4778	BENSON'S HEATING AND AIR CONDITIONING, INC.	10/18/2019	75.00	DIAGNOSTIC TESTING ON LEIBERT
97	THE DEFUNIAK HERALD	10/18/2019	41.25	WATER USE PERMIT LEGAL AD
2171	ESRI, INCORPORATED	10/18/2019	61,500.00	ESRI MAINTENANCE
4273	ROBERT T. MIXON	10/18/2019	163.85	CAROLINA 8" LEATHER WORK BOOTS
349	GADSDEN COUNTY PROPERTY APPRAISER	10/18/2019	507.32	1ST QTR FY 19-20
5159	L & R TRACTOR INC.	10/18/2019	1,350.00	PINE RIDGE ROLL OFF DUMPSTER
3266	LOWE'S COMPANIES INC.	10/18/2019	125.36	DOOR CLOSURES
4873	MAIN STREET AUTOMOTIVE, INC.	10/18/2019	30.56	OPEN PURCHASE ORDER FOR ERP-DF
1180	PRIDE ENTERPRISES	10/18/2019	127.96	ENVELOPES
4614	ST. JOE TIMBERLAND CO. OF DELAWARE LLC	10/18/2019	100.00	P288562 EPERMIT REFUND
3941	TYLER TECHNOLOGIES, INC.	10/18/2019	78,590.39	MUNIS LICENSE AND SUPPORT
TOTAL CHECKS			<u>142,743.18</u>	
4944	BRETT CYPHERS	10/18/2019	66.75	TRAVEL REIMBURSEMENT
2429	ROBERT LIDE	10/18/2019	505.98	TRAVEL REIMBURSEMENT
4536	THEODORE REESE	10/18/2019	120.00	TRAVEL REIMBURSEMENT
5455	PAUL THURMAN	10/18/2019	197.80	TRAVEL REIMBURSEMENT
TOTAL ACH TRANSFER			<u>890.53</u>	
TOTAL AP			<u><u>143,633.71</u></u>	

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
AP COMPUTER PAID/EFT CHECKS

VENDOR	NAME	CHECK DATE	INVOICE NET	INVOICE DESCRIPTION
5685	ASSOCIATION & CONFERENCE MANAGEMENT, LLC	10/17/2019	227.00	CONFERENCE REGISTRATION - DAVI
3586	ATTACK-ONE FIRE MANAGEMENT SVCS, INC	10/17/2019	8,000.00	DUTEX SHRUB REDUCTION
5671	THOMAS BASFORD	10/17/2019	100.00	REFUND WELL PERMIT 287939-1
4778	BENSON'S HEATING AND AIR CONDITIONING, INC.	10/17/2019	120.00	REPAIR LIEBERT A/C UNIT IN SER
3771	CHOCTAWHATCHEE BASIN ALLIANCE	10/17/2019	931.68	SAV SURVEY
1948	DELL MARKETING L.P.	10/17/2019	6,323.12	NEW COMPUTERS/MONITORS FOR FIV
1948	DELL MARKETING L.P.	10/17/2019	17,740.00	NEW COMPUTERS/MONITORS FOR FIV
2241	DEPT. OF THE INTERIOR - USGS	10/17/2019	4,428.00	GEORGIA WATER LEVEL MONITORING
744	DEPT. OF THE INTERIOR - USGS	10/17/2019	20,475.75	JOINT FUNDING AGREEMENT
4855	ENVIRON SERVICES INCORPORATED	10/17/2019	2,583.34	JANITORIAL SERVICES, HEADQUART
26	FL. SECRETARY OF STATE DIV OF ADMIN SERV	10/17/2019	12.18	RULEMAKING NOTICES
3193	INSURANCE INFORMATION EXCHANGE	10/17/2019	189.95	BACKGROUND SCREENING
4043	KELLER AMERICA, INC.	10/17/2019	5,692.03	PRESSURE TRANSDUCERS AND INTEG
4043	KELLER AMERICA, INC.	10/17/2019	12,714.50	PRESSURE TRANSDUCERS AND INTEG
698	KONICA MINOLTA BUSINESS SOLUTIONS USA	10/17/2019	299.14	COPIER LEASE RENEWAL - RMD
698	KONICA MINOLTA BUSINESS SOLUTIONS USA	10/17/2019	249.42	COPIER LEASE RENEWAL - RMD
698	KONICA MINOLTA BUSINESS SOLUTIONS USA	10/17/2019	123.44	COPIER LEASE RENEWALS
698	KONICA MINOLTA BUSINESS SOLUTIONS USA	10/17/2019	274.82	COPIER LEASE RENEWALS
698	KONICA MINOLTA BUSINESS SOLUTIONS USA	10/17/2019	395.62	COPIER LEASE RENEWALS
698	KONICA MINOLTA BUSINESS SOLUTIONS USA	10/17/2019	249.79	COPIER LEASE RENEWALS
698	KONICA MINOLTA BUSINESS SOLUTIONS USA	10/17/2019	113.08	COPIER LEASE FOR ECONFINA
698	KONICA MINOLTA BUSINESS SOLUTIONS USA	10/17/2019	283.51	NEW COPIER LEASES FOR REG
698	KONICA MINOLTA BUSINESS SOLUTIONS USA	10/17/2019	272.89	NEW COPIER LEASES FOR REG
698	KONICA MINOLTA BUSINESS SOLUTIONS USA	10/17/2019	246.09	NEW COPIER LEASES FOR REG
4952	LAW, REDD, CRONA & MUNROE, P.A.	10/17/2019	5,769.50	INTERNAL AUDIT
2299	LIBERTY COUNTY SOLID WASTE	10/17/2019	32.00	SOLID WASTE- FL RIVER
5146	MICHAEL CORRIE MANNION	10/17/2019	8,269.80	STAFF AUGMENTATION FOR CUSTOM
5409	MARTIN ENVIRONMENTAL SERVICES, INC	10/17/2019	75.00	PORTABLE TOILETS
5409	MARTIN ENVIRONMENTAL SERVICES, INC	10/17/2019	140.00	PORTABLE TOILETS
2663	PATIENTS FIRST LAKE ELLA MEDICAL CENTER, P.A.	10/17/2019	98.00	LABORATORY TESTING
62	PENSACOLA NEWS-JOURNAL	10/17/2019	1,611.30	TRIM ADVERTISEMENT
4081	POT-O-GOLD RENTALS, LLC	10/17/2019	157.50	PORTABLE TOILET SERVICES - CON
4081	POT-O-GOLD RENTALS, LLC	10/17/2019	315.00	PORTABLE TOILET SERVICES - CON
4081	POT-O-GOLD RENTALS, LLC	10/17/2019	238.50	PORTABLE TOILET SERVICES - CON
4081	POT-O-GOLD RENTALS, LLC	10/17/2019	400.50	PORTABLE TOILET SERVICES - CON

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT

AP COMPUTER PAID/EFT CHECKS

4081	POT-O-GOLD RENTALS, LLC	10/17/2019	157.50	PORTABLE TOILET SERVICES - CON
4081	POT-O-GOLD RENTALS, LLC	10/17/2019	157.50	PORTABLE TOILET SERVICES - CON
4081	POT-O-GOLD RENTALS, LLC	10/17/2019	157.50	PORTABLE TOILET SERVICES - CON
4081	POT-O-GOLD RENTALS, LLC	10/17/2019	157.50	PORTABLE TOILET SERVICES - CON
4081	POT-O-GOLD RENTALS, LLC	10/17/2019	157.50	PORTABLE TOILET SERVICES - CON
4081	POT-O-GOLD RENTALS, LLC	10/17/2019	238.50	PORTABLE TOILET SERVICES - CON
4081	POT-O-GOLD RENTALS, LLC	10/17/2019	238.50	PORTABLE TOILET SERVICES - CON
4955	TERRY'S HOME & LAWN MAINTENANCE, INC.	10/17/2019	3,526.90	RECREATION SITE CLEANUP-CONTRA
5690	TREES4SURE INC	10/17/2019	1,900.00	TREE SVC WORK ON CHIPOLA R. WM
5690	TREES4SURE INC	10/17/2019	2,600.00	TREE SVC WORK ON CHIPOLA R. WM
3696	URS CORPORATION	10/17/2019	39,083.00	111 COASTAL PANHANDLE FIRM
3696	URS CORPORATION	10/17/2019	38,370.00	85 BAY COUNTY DFIRM UPDATE
5218	WAGeworks, INC.	10/17/2019	59.15	COBRA ADMINISTRATION
2631	WASHINGTON COUNTY SHERIFF'S OFFICE	10/17/2019	12,328.00	LAW ENFORCEMENT-CONTRACT NO. 1
TOTAL CHECKS			<u>198,284.00</u>	
5368	KOUNTRY RENTAL NWF, INC.	10/18/2019	8,100.00	PORTABLE & COMPOSTTOILET SERVI
4270	VIEUX & ASSOCIATES, INC.	10/18/2019	7,500.00	GAUGE ADJUSTED RADAR RAINFALL
TOTAL ACH TRANSFER			<u>15,600.00</u>	
TOTAL AP			<u>213,884.00</u>	

**NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
AP COMPUTER PAID/EFT CHECKS**

VENDOR	NAME	CHECK DATE	INVOICE NET	INVOICE DESCRIPTION
5619	A&W EXCAVATIONS, INC.	10/24/2019	27,000.00	WESTVILLE TRACT ROAD REPAIRS
5340	APPLIED TECHNOLOGY AND MANAGEMENT, INC.	10/24/2019	12,185.00	AS NEEDED HYDROLOGICAL AND ECO
5340	APPLIED TECHNOLOGY AND MANAGEMENT, INC.	10/24/2019	27,199.00	AS NEEDED HYDROLOGICAL AND ECO
2992	BANK OF AMERICA	10/24/2019	333.43	ONLINE ACCESS TO BANK ACCOUNT
2992	BANK OF AMERICA	10/24/2019	804.89	ACCOUNT ANALYSIS
4686	MCCASKILL - QUIGLEY FORD, INC	10/24/2019	426.12	WMD 0004 WINDSHIELD
4676	CITY OF MILTON FLORIDA	10/24/2019	20.25	SEWER MILTON FIELD OFFICE
4676	CITY OF MILTON FLORIDA	10/24/2019	70.96	DUMPSTER SERVICE
3289	CITY OF TALLAHASSEE	10/24/2019	40.52	LAKE SHORE
5554	COMCAST	10/24/2019	143.12	INTERNET-MARIANNA FIELD OFFICE
2241	DEPT. OF THE INTERIOR - USGS	10/24/2019	31,550.00	INTRACOASTAL WATER WAY MONITOR
3126	DEWBERRY ENGINEERS, INC	10/24/2019	15,323.29	RISK MAP PROGRAM SUPPORT
45	DMS	10/24/2019	69.60	MILTON LOCAL PHONES
45	DMS	10/24/2019	1.11	MILTON LONG DISTANCE
45	DMS	10/24/2019	6,477.87	HQ ETHERNET
45	DMS	10/24/2019	0.02	LAN PORTS & INTRA/INTERNET
45	DMS	10/24/2019	5.06	TRAVEL REIMBURSEMENT
45	DMS	10/24/2019	1,426.86	DEFUNIAK ETHERNET & LONG DISTANCE
45	DMS	10/24/2019	1,329.91	HQ LOCAL PHONES
45	DMS	10/24/2019	190.94	HQ LONG DISTANCE
45	DMS	10/24/2019	26.00	AIR CARDS & HOTSPOTS
45	DMS	10/24/2019	617.24	DEFUNIAK LOCAL PHONES
45	DMS	10/24/2019	49.28	CONFERENCE CALLS
2972	EDWARDS FIRE PROTECTION, INC.	10/24/2019	879.00	ANNUAL MAINTENANCE OF FIRE EXT
2702	FISH AND WILDLIFE	10/24/2019	6,706.07	LAW ENFORCEMENT-CONTRACT NO. 1
2702	FISH AND WILDLIFE	10/24/2019	3,729.04	LAW ENFORCEMENT-CONTRACT NO. 1
2702	FISH AND WILDLIFE	10/24/2019	15,227.94	COOPERATIVE MANAGEMENT SAND HI
2291	GULF COAST ELECTRIC COOPERATIVE, INC	10/24/2019	723.29	ELECTRIC-ECONFINA FIELD OFFICE
5235	JACKSON COUNTY BOARD OF COUNTY COMMISSIONERS	10/24/2019	75,400.00	STORMWATER IMPROVEMENT PROJECT
4128	ROLLSRITE TRAILERS, INC	10/24/2019	6,720.00	ROLLS RITE EQUIPMENT TRAILER
5336	TETRA TECH, INC	10/24/2019	3,320.00	AS NEEDED HYDROLOGICAL SERVICE
5336	TETRA TECH, INC	10/24/2019	1,870.00	AS NEEDED HYDROLOGICAL SERVICE
3696	URS CORPORATION	10/24/2019	5,692.00	74 ESCAMBIA COUNTY DFIRM UPDAT
3696	URS CORPORATION	10/24/2019	1,936.00	75 SANTA ROSA CO DFIRM UPDATE
3696	URS CORPORATION	10/24/2019	51,548.00	111 COASTAL PANHANDLE FIRM
3696	URS CORPORATION	10/24/2019	305.80	119 RISK MAP PROJECT NEW RIVER
3454	USDA, APHIS, WILDLIFE SERVICES	10/24/2019	2,174.12	COOPERATIVE SERVICE AGREEMENT

**NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
AP COMPUTER PAID/EFT CHECKS**

4968	WANTMAN GROUP, INC.	10/24/2019	32,225.00	AS NEEDED PROFESSIONAL SURVEYI
4038	WINDSTREAM COMMUNICATIONS	10/24/2019	64.96	800#'S & EFO LONG DISTANCE
TOTAL CHECKS			<u>333,811.69</u>	
4845	CALHOUN COUNTY SHERIFF'S OFFICE	10/25/2019	256.00	LAW ENFORCEMENT - CONTRACT NO
4845	CALHOUN COUNTY SHERIFF'S OFFICE	10/25/2019	2,048.00	LAW ENFORCEMENT - CONTRACT NO
2268	INNOVATIVE OFFICE SOLUTIONS, INC	10/25/2019	837.00	PHONE MAINTENANCE
TOTAL ACH TRANSFER			<u>3,141.00</u>	
TOTAL AP			<u><u>336,952.69</u></u>	

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT

AP COMPUTER PAID/EFT CHECKS

VENDOR	NAME	CHECK DATE	INVOICE NET	INVOICE DESCRIPTION
5704	JACKSON ANTHONY	10/25/2019	110.00	TRAVEL REIMBURSEMENT
5689	WILLIAM D JONES	10/25/2019	500.00	REPAIR FAUCET
3424	DURRA-QUICK-PRINT INC.	10/25/2019	15.00	BUSINESS CARDS-LE
3492	GEOTECH ENVIRONMENTAL EQUIP, INC.	10/25/2019	268.64	SAMPLING TUBING
3492	GEOTECH ENVIRONMENTAL EQUIP, INC.	10/25/2019	398.88	SAMPLING TUBING
5705	CODY JHONSON	10/25/2019	126.00	TRAVEL REIMBURSEMENT
4043	KELLER AMERICA, INC.	10/25/2019	2,206.00	PRESSURE TRANSDUCERS AND INTEG
5294	KRONOS, INCORPORATED	10/25/2019	5,050.50	TIMESHEET PROGRAM
5227	MAC'S AUTO SERVICE	10/25/2019	308.99	REPLACE ENGINE COOLING FAN BLA
4873	MAIN STREET AUTOMOTIVE, INC.	10/25/2019	175.48	OPEN PURCHASE ORDER FOR ERP-DF
4237	MCMASTER CARR SUPPLY CO.	10/25/2019	106.05	REPLACEMENT HARDWARE FOR RIVER
4091	THE SHOE BOX	10/25/2019	130.75	UNIFORMS FOR CODY JOHNSON (NEW
3104	SOUTHERN WATER SERVICES, LLC	10/25/2019	250.00	QUARTERLY SAMPLING FOR ECONFIN
4799	STAPLES CONTRACT & COMMERCIAL, INC.	10/25/2019	150.30	OFFICE SUPPLIES
4799	STAPLES CONTRACT & COMMERCIAL, INC.	10/25/2019	68.12	OFFICE SUPPLIES AND CALENDARS
4799	STAPLES CONTRACT & COMMERCIAL, INC.	10/25/2019	69.15	OFFICE SUPPLIES AND CALENDARS
4637	THE ICE BOX COMPANY INC.	10/25/2019	90.73	ICE BAGS
TOTAL CHECKS			<u>10,024.59</u>	
4944	BRETT CYPHERS	10/25/2019	82.77	TRAVEL REIMBURSEMENT
4961	PETER FOLLAND	10/25/2019	126.00	TRAVEL REIMBURSEMENT
3337	FORESTECH CONSULTING	10/25/2019	4,434.64	LAND MANAGEMENT PLANS
4607	MAIL FINANCE INC	10/25/2019	482.00	MAILING SYSTEMS FOR HQ, CRESTV
5500	RYAN REGA	10/25/2019	110.00	TRAVEL REIMBURSEMENT
3823	KENNETH ANDREW ROACH	10/25/2019	220.00	TRAVEL REIMBURSEMENT
TOTAL ACH TRANSFER			<u>5,455.41</u>	
TOTAL AP			<u><u>15,480.00</u></u>	

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT

SCHEDULE OF DISBURSEMENTS

PAYROLL

OCTOBER 2019

DIRECT DEPOSIT	10/11/2019	\$	229,518.51
CHECKS	10/11/2019		3,574.73
FLEX SPENDING EFT	TF003		1,795.99
DIRECT DEPOSIT	10/25/2019		211,686.52
CHECKS	10/25/2019		2,239.85
FLEX SPENDING EFT	TF006		1,725.99
			<hr/>
			\$ <u><u>450,541.59</u></u>

APPROVED:

Chairman or Executive Director

December 12, 2019

Date

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT

MEMORANDUM

TO: Governing Board

FROM: District Inspector General
Law, Redd, Crona and Munroe, P.A.

DATE: December 2, 2019

SUBJECT: Consideration of Inspector General's Long Term and Annual Audit Work Plans

Recommendation

Approval is requested for the Inspector General's three-year audit work plan for fiscal years 2019-20 through 2021-22 and an annual audit work plan for 2019-20.

Background

The following proposed plans are developed in consultation with District staff and are for your review and consideration.

DISTRICT'S THREE-YEAR INTERNAL AUDIT PLAN For the Fiscal Years Ending September 30, 2020 through September 30, 2022

1. 2020
 - a. Information Technology/Cybersecurity Controls
 - b. Travel
 - c. Follow-up on Unresolved Prior Internal Audit Findings
2. 2021
 - a. Payroll/HR
 - b. Property Management (excluding Motor Vehicles)
 - c. Follow-up on Unresolved Prior Internal Audit Findings
3. 2022
 - a. Land Acquisition and Management
 - b. Performance Measures and Standards
 - c. Follow-up on Unresolved Prior Internal Audit Findings

DISTRICT'S 2020 INTERNAL AUDIT WORK PLAN

Audit Area	Tentative Work Plan	Planned Start Date	Estimated Hours
Planning	<ul style="list-style-type: none"> – Meetings with District Director of Administration and other District management – Make inquiries and perform other procedures as necessary to identify recent changes or events at the District, if any, relevant to the internal audit risk assessment – Identify areas of concern – Design specific audit procedures – Present audit plans to District Governing Board 	October 2019	20
IT/Cybersecurity Controls	<ul style="list-style-type: none"> – Review District IT and Cybersecurity controls in the following categories: <ul style="list-style-type: none"> ○ Security management framework and program ○ Information classification and categorization ○ Security risk assessments ○ IT contract management ○ Security awareness training and education ○ Physical access and environmental controls ○ Logical access controls ○ Network security ○ Disposal of information and IT resources ○ Security vulnerability and incident detection and response ○ Backup and recovery <p>(see Attachment A for related IT/cybersecurity control objectives)</p>	October 2019	80
Travel	<ul style="list-style-type: none"> – Review the District's written policies and procedures for travel expense reimbursement and determine if provisions are in place to ensure compliance with Section 112.061, Florida Statutes and DFS Rule 69I-42, Florida Administrative Code – On a sample basis, test District travel expenditures for compliance with State law, State administrative rules, and District policy, including, where applicable, the use of purchasing cards for travel 	May/June 2020	60
Follow-up on Prior Internal Audit Findings	<ul style="list-style-type: none"> – Review status of District corrective action toward an observation and recommendation in Report No. 19-03, The District's Procurement Process, dated September 6, 2019 	May/June 2020	10
Discretionary	<ul style="list-style-type: none"> – Reserved for procedures to be performed at the discretion of the inspector general without the prior knowledge of management – Perform additional procedures as deemed necessary as a result of other procedures performed or at the request of the District's Governing Board, management, and/or external auditor 	January – September 2020	30
Reporting	<ul style="list-style-type: none"> – Preparation of Internal Audit Reports – Presentation of Draft Reports to District Director of Administration – Presentation of Final Audit Reports to Governing Board – Presentation of Annual Report of IG Activities to Governing Board 	January – September 2020	100

Total Hours	300.00
Estimated Blended Hourly Rate	\$ 147.75
Estimated Fee	<u>\$44,325.00</u>

ESTIMATED BLENDED HOURLY RATE

	<u>Hourly Rate</u>	<u>Percent Utilized</u>	<u>Extension</u>
Inspector General	\$220	5%	\$ 11.00
Partner-in-Charge	\$220	15%	33.00
Audit Manager/IT Manager	\$155-165 (blended)	25%	40.00
Senior Auditor	\$125	35%	43.75
Staff Auditor	\$100	20%	<u>20.00</u>
	Blended Rate		<u>\$ 147.75</u>

Audits to be conducted will be in accordance with the current International Standards for the Professional Practice of Internal Auditing as published by the Institute of Internal Auditors, Inc., or, where appropriate, in accordance with generally accepted governmental auditing standards. All audit reports issued will include a statement that the audit was conducted pursuant to the appropriate standards.

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT

MEMORANDUM

TO: Governing Board

THROUGH: Brett J. Cyphers, Executive Director
Lyle Seigler, Chief of Staff

FROM: Wendy Dugan, Division of Administration Director

DATE: December 2, 2019

SUBJECTS: Consideration of Fiscal Year 2020-2021 Preliminary Budget

Recommendation

Staff recommends the Governing Board approve the Fiscal Year 2020-2021 Preliminary Budget as presented and allow staff to make changes based on collaboration with the Executive Office of the Governor (EOG) and Department of Environmental Protection (DEP) and submit the final document to the Legislature by January 15, 2020.

Background

Pursuant to Chapter 373, Florida Statutes, the District is to submit a Preliminary Budget for the next fiscal year to the Legislature by January 15 of each year. A draft copy is scheduled to be provided to the EOG and DEP for initial review next week. The Preliminary Budget will be the basis for preparing the District's Tentative Budget, which must be presented to the Governing Board no later than July 15, 2020, and submitted to the Governor and Legislature by August 1, 2020. The District can make changes to the Preliminary Budget, within statutory limits, prior to Tentative Budget completion.

The Fiscal Year (FY) 2020-2021 Preliminary Budget is \$77,271,793, which represents an increase of \$3,581,291 (4.9 percent) from the FY 2019-2020 Adopted Budget. Included is \$10,000,000 in potential new grant funding for springs restoration and protection projects, based on prior annual allocations from DEP. Without this added funding, the proposed budget would be about \$7 million lower than the current year's budget. Almost three quarters (73.4 percent) of the Preliminary Budget is comprised of two spending categories, Fixed Capital Outlay (FCO) and Grants, which also account for the net increase in the Preliminary Budget. FCO decreases by \$1,390,206 to reflect the planned completion of springs-related restoration projects in FY 2019-20. The Grants category increases by \$5,282,432 due to a combination of potential new springs funding and rollover budget from prior year springs projects offset by reductions from progress made on water supply development assistance grants and other springs projects.

The Preliminary Budget prioritizes funding on water quality projects that help maximize nutrient reductions, consistent with Executive Order 19-12. Additionally, this budget will provide adequate fiscal resources to effectively implement the District's core mission addressing water quality, water supply, natural systems, and flood protection, including:

- \$49.1 million for Springs Projects. This funding will enable the District to implement restoration projects for Wakulla Spring; Jackson Blue Spring; and springs associated with the St. Marks River, Chipola River, Econfinia Creek, and Holmes Creek.
- \$5.2 million for Watershed Restoration. This funding will facilitate continued efforts to protect and restore water quality and estuarine habitats in the Apalachicola River and Bay system through the implementation of cooperative water quality improvement projects and best management practices. This funding will also support assessment and stormwater treatment benefitting St. Joseph Bay, improved stormwater treatment and management in the St. Marks River watershed, and continued project planning to benefit watersheds across northwest Florida.
- \$4.3 million for Water Supply Development Assistance and Water Resource Development to continue support for cooperative grant projects across northwest Florida. This funding also supports the North Bay Wastewater Reuse Project in Bay County and alternative water supply development in support of the Region II Regional Water Supply Plan.
- \$1.4 million for monitoring and technical assessments to develop MFLs for Wakulla Spring; Sally Ward Spring; Jackson Blue Spring; the Floridan aquifer in coastal Okaloosa, Santa Rosa, and Walton counties; and the Gainer, Sylvan, and Williford spring groups.

The following charts summarize the budget by revenue, expenditure, program, and activity with prior year figures for comparison purposes. A comprehensive document with significant detail supporting the Preliminary Budget will be provided separately.

**NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
FY 2020-2021 PRELIMINARY BUDGET COMPARISON
REVENUE CATEGORIES**

	FY 2017-18 Actuals	FY 2018-19 Est. Actuals	FY 2019-20 Adopted Budget	FY 2020-21 Preliminary	Preliminary O/(U) Adopted Budget	Percent Change
Ad Valorem Tax	3,366,092	3,443,877	3,529,580	3,529,580	0	0.0%
Federal	1,412,267	779,227	2,690,113	2,541,250	(148,863)	-5.5%
State	16,359,656	13,767,896	56,449,010	61,112,623	4,663,613	8.3%
Local Revenues	106,711	67,904	160,961	152,971	(7,990)	-5.0%
Permit Fees	465,470	506,480	355,642	437,500	81,858	23.0%
Timber Sales	2,387,303	198,968	0	0	0	
Miscellaneous	848,922	1,504,267	5,560,224	4,885,326	(674,898)	-12.1%
w/o Fund Balance	24,946,421	20,268,619	68,745,530	72,659,250	3,913,720	5.7%
Fund Balance	(1,534,410)	1,967,921	4,944,972	4,612,543	(332,429)	-6.7%
w/Fund Balance	23,412,012	22,236,541	73,690,502	77,271,793	3,581,291	4.9%

**NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
FY 2020-2021 PRELIMINARY BUDGET COMPARISON
EXPENSE CATEGORIES**

	FY 2017-18 Actuals	FY 2018-19 Est. Actuals	FY 2019-20 Adopted Budget	FY 2020-21 Preliminary	Preliminary O/(U) Adopted Budget	Percent Change
Salaries & Benefits	7,765,066	7,908,686	8,703,025	8,786,123	83,098	1.0%
Other Personal Services	218,718	241,890	366,778	345,567	(21,211)	-5.8%
Contracted Services	3,655,819	3,400,169	8,548,715	8,139,411	(409,304)	-4.8%
Operating Expense	1,887,859	2,149,255	2,653,842	2,645,986	(7,856)	-0.3%
Operating Capital Outlay	400,829	574,596	574,214	618,552	44,338	7.7%
Operating Categories	13,928,291	14,274,597	20,846,574	20,535,639	(310,935)	-1.5%
Fixed Capital Outlay	719,767	1,192,998	15,089,051	13,698,845	(1,390,206)	-9.2%
Grants	8,763,954	6,768,946	37,754,877	43,037,309	5,282,432	14.0%
Non-Operating Categories	9,483,720	7,961,944	52,843,928	56,736,154	3,892,226	7.4%
GRAND TOTAL	23,412,012	22,236,541	73,690,502	77,271,793	3,581,291	4.9%

**NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
FY 2020-2021 PRELIMINARY BUDGET COMPARISON
PROGRAM LEVEL**

Program	FY 2017-18 Actuals	FY 2018-19 Est. Actuals	FY 2019-20 Adopted Budget	FY 2020-21 Preliminary	Preliminary O/(U) Adopted Budget	Percent Change
1 Water Resource Plan/Monitoring	4,326,496	4,141,915	7,126,011	6,668,346	(457,665)	-6.4%
2 Acq/Restoration/ Public Works	10,840,034	9,562,631	56,181,393	60,545,810	4,364,417	7.8%
3 Operations & Maint Land & Works	3,177,258	3,487,525	4,371,326	3,974,090	(397,236)	-9.1%
4 Regulation	3,112,390	3,071,598	3,853,337	3,892,880	39,543	1.0%
5 Outreach	123,494	124,952	132,619	136,040	3,421	2.6%
6 District Management & Admin	1,832,340	1,847,919	2,025,816	2,054,627	28,811	1.4%
GRAND TOTAL	23,412,012	22,236,541	73,690,502	77,271,793	3,581,291	4.9%

Combined Outreach and Management &
Administration as a Percent of Total Budget* 2,190,667
2.8%

* The Legislative Budget Commission may reject the District's budget proposals in these two programs that exceed 15% of the total budget.

**NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
FY 2020-2021 PRELIMINARY BUDGET COMPARISON
PROGRAM AND ACTIVITY LEVEL**

	FY 2017-18 Actuals	FY 2018-19 Est. Actuals	FY 2019-20 Adopted Budget	FY 2020-21 Preliminary	Preliminary O/(U) Adopted Budget	Percent Change
1.0 Water Resources Planning and Monitoring						
1.1 - District Water Management Planning						
1.1.1 Water Supply Planning	136,525	159,809	176,428	154,629	(21,799)	-12.4%
1.1.2 Minimum Flows and Levels	1,074,802	941,814	2,148,083	1,345,107	(802,976)	-37.4%
1.1.3 Other Water Resources Planning	534,380	551,383	550,869	562,451	11,582	2.1%
1.2 - Rsch, Data Collec. /Analysis / Monitor.	731,391	754,799	1,002,331	1,439,604	437,273	43.6%
1.3 - Technical Assistance	1,440,685	1,273,333	2,688,305	2,610,502	(77,803)	-2.9%
1.5 - Technology & Information Services	408,713	460,776	559,995	556,053	(3,942)	-0.7%
Total	4,326,496	4,141,915	7,126,011	6,668,346	(457,665)	-6.4%
2.0 Acquisition, Restoration and Public Works						
2.1 - Land Acquisition	738,566	1,064,267	12,446,694	12,325,594	(121,100)	-1.0%
2.2 - Water Source Development						
2.2.1 Water Resource Development Projects	179,907	158,577	860,788	1,364,982	504,194	58.6%
2.2.2 Water Supply Development Assistance	2,868,325	1,008,261	3,150,689	2,987,882	(162,807)	-5.2%
2.3 - Surface Water Projects	6,854,079	6,583,903	35,946,257	41,497,666	5,551,409	15.4%
2.5 - Facilities Constr. and Major Renov.	5,022	151,833	75,000	75,000	-	0.0%
2.6 - Other Acquisition and Restor. Activities	140,964	532,179	3,626,955	2,212,486	(1,414,469)	-39.0%
2.7 - Technology & Information Service	53,171	63,611	75,010	82,200	7,190	9.6%
Total	10,840,034	9,562,631	56,181,393	60,545,810	4,364,417	7.8%
3.0 Operation and Maintenance of Lands and Works						
3.1 - Land Management	2,411,931	2,706,654	3,413,970	3,019,341	(394,629)	-11.6%
3.2 - Works	1,470	3,473	9,320	5,391	(3,929)	-42.2%
3.3 - Facilities	343,854	320,495	394,056	355,395	(38,661)	-9.8%
3.6 - Fleet Services	23,762	57,130	64,159	98,907	34,748	54.2%
3.7 - Technology & Information Services	396,240	399,772	489,821	495,056	5,235	1.1%
Total	3,177,258	3,487,525	4,371,326	3,974,090	(397,236)	-9.1%

**NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
FY 2019-2020 PRELIMINARY BUDGET COMPARISON
PROGRAM AND ACTIVITY LEVEL (Continued)**

	FY 2017-18 Actuals	FY 2018-19 Est. Actuals	FY 2019-20 Adopted Budget	FY 2020-21 Preliminary	Preliminary O/(U) Adopted Budget	Percent Change
4.0 Regulation						
4.1 - Consumptive Use Permitting	539,336	453,849	558,853	559,525	672	0.1%
4.2 - Water Well Constr. Permitting and Contractor Licensing	698,091	798,439	821,287	867,140	45,853	5.6%
4.3 - Env. Resource and Surface Water Permitting	1,102,660	1,096,388	1,481,718	1,474,353	(7,365)	-0.5%
4.4 - Other Reg. and Enforcement Activities	239,338	216,426	283,502	261,379	(22,123)	-7.8%
4.5 - Technology & Information Services	532,965	506,497	707,977	730,483	22,506	3.2%
Total	3,112,390	3,071,598	3,853,337	3,892,880	39,543	1.0%
5.0 Outreach						
5.2 - Public Information	118,119	119,577	122,419	125,840	3,421	2.8%
5.4 - Lobbying / Legis. & Cabinet Affairs	5,375	5,375	10,200	10,200	-	0.0%
Total	123,494	124,952	132,619	136,040	3,421	2.6%
6.0 District Management and Administration						
6.1 - Administrative and Operations Support						
6.1.1 - Executive Direction	600,848	614,026	636,559	675,827	39,268	6.2%
6.1.4 - Administrative Support	787,453	817,623	887,607	906,980	19,373	2.2%
6.1.7 - Human Resources	110,584	110,676	121,399	123,465	2,066	1.7%
6.1.9 - Technology & Information Services	277,943	248,261	323,501	290,605	(32,896)	-10.2%
6.4 - Other (Tax Collector/Prop Appr Fees)	55,511	57,333	56,750	57,750	1,000	1.8%
Total	1,832,340	1,847,919	2,025,816	2,054,627	28,811	1.4%
Total District Expenditure Budget	23,412,012	22,236,541	73,690,502	77,271,793	3,581,291	4.9%

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT

MEMORANDUM

TO: Governing Board

THROUGH: Brett J. Cyphers, Executive Director
Lyle Seigler, Chief of Staff

FROM: Lennie Zeiler, Director, Division of Asset Management

DATE: November 15, 2019

SUBJECT: Consideration of Acceptance of the Appraisals and Approval of Adjusted Purchase Price for the Dry Creek Plantation, LLC Conservation Easement; Chipola River Water Management Area

Recommendation:

Staff recommends the Governing Board accept the appraisals prepared by Bell, Griffith and Associates, Inc. and Candler, Moses and Associates and the review appraisal prepared by Brown Bevis Real Estate Appraisers, Inc., for the Dry Creek Plantation, LLC Conservation Easement in Jackson County and authorize the Executive Director to execute Amendment No. 1 to the Purchase and Sale Agreement for \$174,579.02.

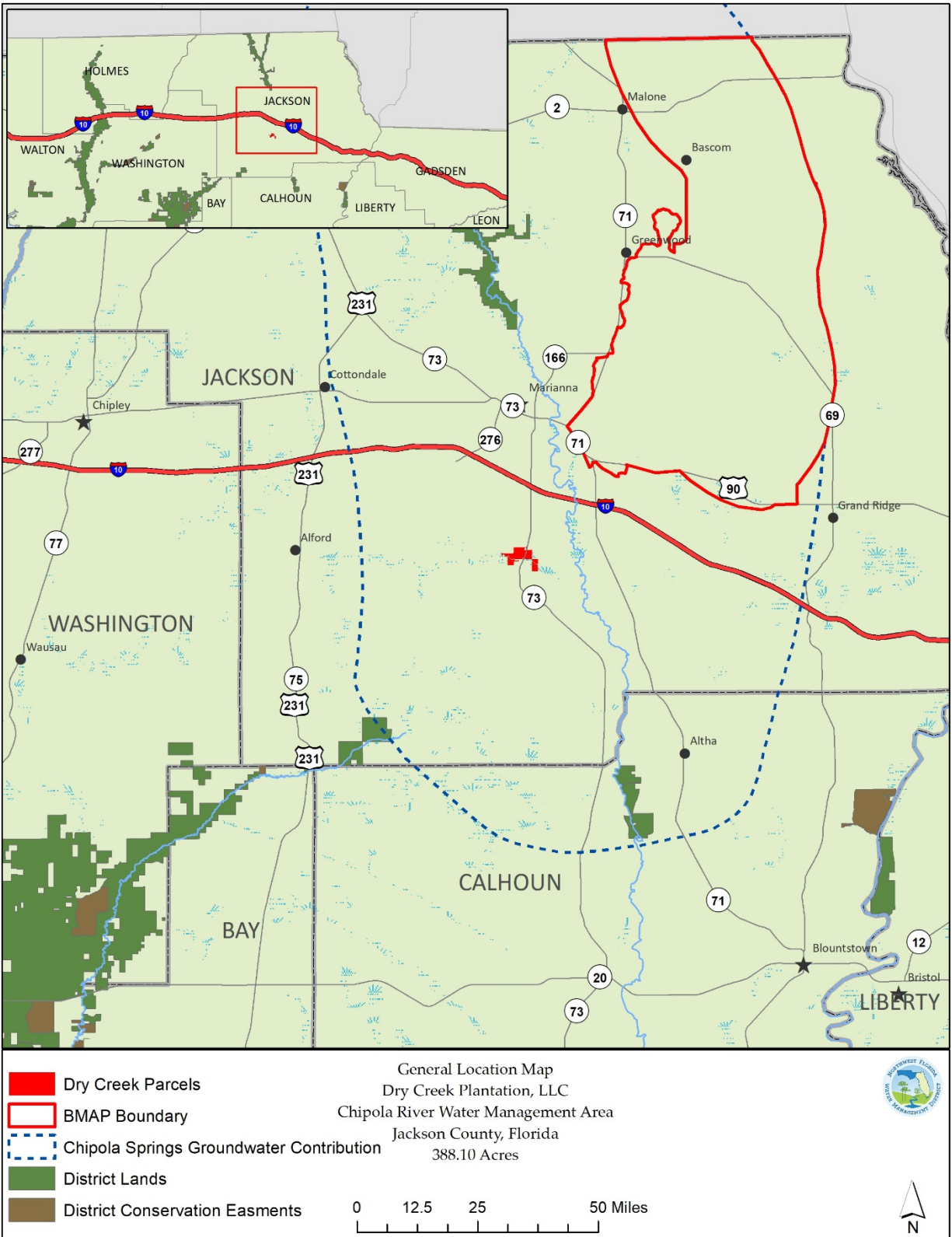
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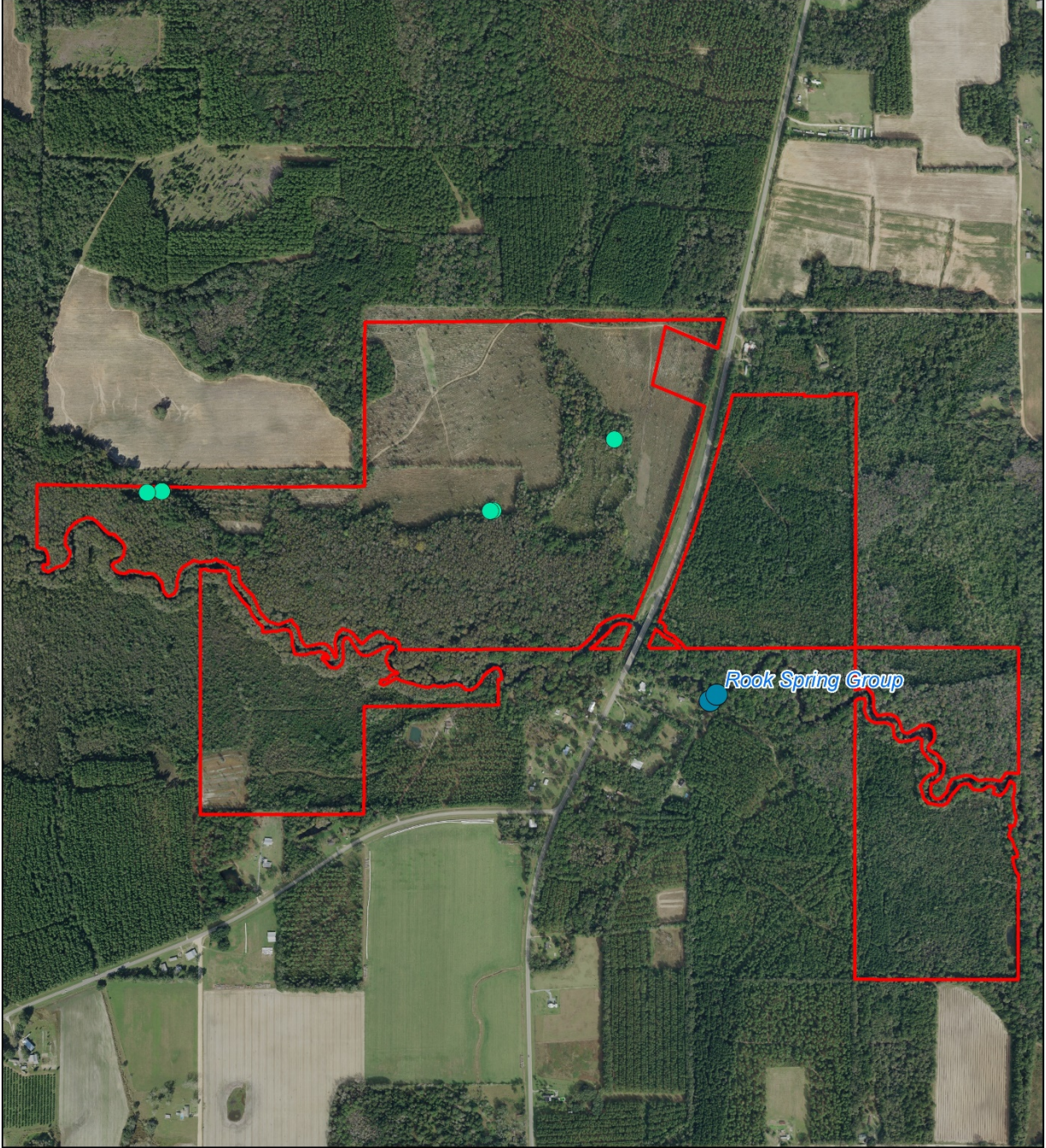
On May 23, 2019, the Governing Board approved a Purchase and Sale Agreement for the purchase of a conservation easement on property owned by Dry Creek Plantation LLC in Jackson County, Florida (see attached maps). The purchase price was \$194,378.40, or \$448.23 per acre for approximately 433.66 acres.

The survey ordered and received by the District indicates the property boundaries contain 388.10 acres. This resulted in a 45.56-acre difference. Due to this change in the acreage as determined by the survey, staff ordered new appraisals from the same appraisers and review appraiser.

The new appraisals resulted in a slightly higher per acre value. The review appraiser indicated the best supported valuation used to set the ceiling on the revised purchase price.

Overall, the purchase price is adjusting downward due to the change in acreage but the per acre purchase price is increasing. The revised purchase price for the conservation easement, if approved, is \$174,579.02, or \$449.83 per acre for 388.10 acres determined by survey. As stated above, the initial purchase price was \$194,378.40, or \$448.23 per acre based on a preliminary acreage of 433.66 acres. The per acre price is increasing by \$1.60 per acre.






-  Karst Points
-  Dry Creek Parcels

Dry Creek Plantation LLC
Chipola River Water Management Area
Sections 3, 4, & 5, Township 3N, Range 10W
Jackson County, Florida
388.10 Acres



0 415 830 1,660 Feet



NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT

MEMORANDUM

TO: Governing Board

THROUGH: Brett J. Cyphers, Executive Director
Lyle Seigler, Chief of Staff
Carlos Herd, Director, Division of Resource Management

FROM: Paul Thurman, Environmental Scientist IV

DATE: December 2, 2019

SUBJECT: Consideration of Joint Funding Agreement with U.S. Geological Survey for Gulf County Canal Monitoring in FY 2019-2020

Recommendation:

Staff recommends the Governing Board authorize the Executive Director to execute a Joint Funding Agreement (JFA) #20MCJFA0001 with the U.S. Geological Survey (USGS) to operate two monitoring stations along the Intracoastal Waterway/Searcy Creek through September 2020. The total cost for this effort is not to exceed \$74,620 for Fiscal Year 2019-2020.

Discussion:

The purpose of this JFA with the USGS is for the operation and maintenance of the two monitoring stations being installed along the Intracoastal Waterway in Gulf County through September 2020. Data collected will help determine the volume of water flowing into the Gulf County Canal from the Intracoastal Waterway. Residents and stakeholders have raised concerns about the potential for adverse effects, such as turbidity and changes in salinity, resulting from freshwater discharges into the bay through the canal. However, there is very little data regarding the magnitude of canal discharges or their effects on St. Joseph Bay. Data collected through this project will be used to evaluate the magnitude, quality, and frequency of discharges through the canal and to enhance our understanding of the processes affecting water and habitat quality within the bay.

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT

MEMORANDUM

TO: Governing Board

THROUGH: Brett Cyphers, Executive Director
Lyle Seigler, Chief of Staff
Carlos Herd, Director, Resource Management Division
Paul Thorpe, Chief, Bureau of Environmental and Resource Planning

FROM: Christina Coger, Resource Planning Program Manager

DATE: November 27, 2019

SUBJECT: Consideration of Approval for the 2019 Region II Regional Water Supply Plan

Recommendation

Staff recommends the Governing Board approve the 2019 Region II Regional Water Supply Plan for Okaloosa, Santa Rosa, and Walton counties and issue the Final Order.

Discussion

Florida Statutes require water management districts to evaluate needs for regional water supply planning every five years. The 2018 Water Supply Assessment (WSA) Update, which extended water demand projections through 2040, was presented and approved at the Governing Board meeting on December 13, 2018. Pursuant to Section 373.709, Florida Statutes, and based on the findings of the 2018 WSA Update, the Governing Board determined the regional water supply plan (RWSP) for Region II (Okaloosa, Santa Rosa, and Walton counties) should be continued.

The 2019 Region II RWSP identifies the water supply needs and project options to sustain water resources and related natural systems through the planning period. Water resource development projects include regional-scale groundwater evaluations; minimum flows and minimum water levels (MFL) technical assessments; continued technical support for development of reclaimed water, conservation, and aquifer storage and recovery; and continuing hydrologic data collection and regional water supply planning. For water supply development, 88 potential projects have been proposed by Region II utilities and self-suppliers at a total estimated cost of about \$191 million. If implemented, surface water development, reuse of reclaimed water, traditional aquifer sources, and new storage and distribution capacity projects have the potential to develop 37 mgd of water. The 2019 RWSP also identifies a variety of funding sources and options. The expected outcomes of plan implementation are that sufficient water will be available for all existing and future uses and natural systems and adverse effects stemming from competition for water supplies will be avoided.

Development of the 2019 Region II RWSP occurred in an open public process actively seeking input from local planning officials; water, wastewater, and reuse utilities; state partners; and other

affected and interested parties. This process began during development of the 2018 WSA Update in early 2017 and included public workshops in July 2018, a public meeting in Fort Walton Beach in January 2019, and public workshops in DeFuniak Springs on October 3, 2019. Public outreach efforts were complemented with widespread media notices, more targeted correspondence, and dissemination of information and documents on the District's website. A public comment period on the draft plan remained open through October 30, 2019.

The 2019 Region II RWSP is not a self-executing plan. Implementation will occur through local government or utility implementation for water supply development projects and future Governing Board specific actions developed for separate consideration and approval for water resource development projects, with expenditures subject to budgetary appropriations, cost-sharing arrangements, and approved agreements and contracts. The proposed Final Order will be subject to stakeholder comments and any relevant petitions filed within 21 days following Governing Board action in accordance section 120.569, F.S.

Background

The Region II RWSP has been in implementation since 2000. Major initiatives to reduce reliance on coastal withdrawals and to develop alternative water supplies have successfully enabled Upper Floridan aquifer water levels to partially recover and have slowed, but not eliminated, water resource concerns. A significant cone of depression is still present and the risk of saltwater intrusion remains. As a result, water withdrawals may not only contribute to aquifer level drawdown but may also be subject to naturally-occurring diminished water quality, localized upconing, and poor well yields.

Region II is the District's largest and fastest growing water supply planning region. From 2010 to 2018, Walton and Santa Rosa counties have been among the fastest growing counties statewide, with significant growth and development continuing in coastal areas and extending inland in and around the cities of Milton, Crestview, and Freeport.

Projected increases in water demand coupled with water resource concerns and constraints underscore the ongoing challenges and need to continue advancing water resource protection and water supply development in Region II.

Attachments

2019 Region II Regional Water Supply Plan
Final Order



**2019 Regional Water Supply Plan for Region II
(Okaloosa, Santa Rosa, and Walton Counties)**

Final Draft

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT

GOVERNING BOARD

George Roberts
Chair, Panama City

Jerry Pate
Vice Chair, Pensacola

Jon Costello
Tallahassee

Ted Everett
Chipley

Bo Spring
Port St. Joe

Brett J. Cyphers
Executive Director



DISTRICT OFFICES

Havana (Headquarters)
DeFuniak Springs
Youngstown
Milton

For additional information, write or call:
Northwest Florida Water Management District
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EXECUTIVE SUMMARY

The Northwest Florida Water Management District (NFWFMD or District) completes Districtwide water supply assessments (WSAs) with 20-year planning horizon every five years to determine the need for regional water supply planning. Based on the 2018 WSA Update, the District's Governing Board determined that regional water supply planning for Region II (Okaloosa, Santa Rosa, and Walton counties) should continue. This Region II regional water supply plan (RWSP) summarizes the 2018 WSA evaluations and updates the RWSP water supply development (WSD) and water resource development (WRD) components over the 20-year planning period through 2040. The expected outcome of plan implementation is that sufficient water will be available for all existing and future uses and natural systems.

Region II is the District's largest and fastest growing water supply planning region. The 2015 seasonally adjusted population estimate for Region II at 469,615 is expected to climb 33 percent to about 623,300 by 2040. Water use was estimated to be about 70 mgd in 2015 and is projected to climb 36 percent to 95 mgd by 2040, an increase of 25 mgd. Public supply and recreational water uses are expected to remain the majority (about 85 percent) of water demand through the planning horizon. Many of the largest public supply and recreational water users - with fast growing communities and with seasonal impacts - are in coastal areas with water resource constraints.

The development of regional inland wellfields primarily in the 2000-2010 decade significantly reduced reliance on the Floridan aquifer in coastal areas. The redistribution of coastal Floridan aquifer pumping to inland areas has enabled aquifer levels to experience some measure of recovery along the coast since 2000. However, a significant cone of depression in the Floridan aquifer potentiometric surface is still present and long-term concerns related to saltwater intrusion remain. Additionally, increased inland pumping of the Floridan aquifer has resulted in geographically expanded water level drawdowns.

This plan identifies the water supply needs and project options to sustain Region II water resources and related natural systems over the planning period. Implementation of water resource development and water supply development projects, noted below, by the District, utilities, local governments, and other project partners represents a substantial investment of human and financial resources to support the region. Both traditional and alternative water supply sources will be needed to meet growing demands and water conservation efforts will be a key component to the timing and costs associated with development of these sources.

The water resource development component includes regional-scale groundwater evaluations of the Floridan and sand-and-gravel aquifers; completing minimum flows and minimum water levels (MFL) technical assessments of the coastal Floridan aquifer and the Shoal River; continuing technical support for development of reclaimed water, conservation, and aquifer storage and recovery; hydrologic data collection; and regional water supply planning.

Eighty-eight potential water supply development projects have been proposed by Region II utilities and self-suppliers at a total estimated cost of \$191 million with the potential to develop 37 mgd of water. About 42 percent or 16 mgd are alternative water supply, e.g., surface water development, reuse of reclaimed water, and alternative sand-and-gravel aquifer groundwater.

Additional WSD projects that may be supported during plan implementation include water conservation and traditional Floridan and sand-and-gravel aquifer sources. Utilities predict the ability to fund about 30 percent of total project costs with local resources alone.

Any future potential projects should address Region II priority needs and strategies:

1. Continue reducing reliance on coastal Floridan aquifer resources;
2. Enhance appropriate and efficient use of all water resources;
3. Continue implementing and investigating additional alternative water supplies, including reclaimed water and water conservation; and,
4. Add system interconnections and water storage capacity.

Continued coordination with partners, developing relevant multijurisdictional approaches, and securing funding sources are needed to continue advancing water resource protection and water supply development in Region II.

Contents

EXECUTIVE SUMMARY	I
CONTENTS	III
LIST OF FIGURES	IV
LIST OF TABLES	IV
ACRONYMS AND ABBREVIATIONS	V
1. Introduction	1
1.1 Background	2
1.2 Regulatory Framework	2
1.3 Accomplishments.....	2
2. Water Supply and Water Resource Evaluation.....	3
2.1 Estimates and Projections	3
2.2 Resource Assessment	5
2.3 Supplemental Data and Analyses	7
3. Water Resource and Water Supply Development	10
3.1 Water Resource Development Component	11
WRD Projects	11
3.2 Water Supply Development Component	15
WSD Project Options.....	15
Other Project Opportunities	17
4. Funding and Coordination.....	19
4.1 Funding Needs.....	19
4.2 Funding Options for WRD and WSD	19
4.3 RWSP Coordination.....	22
5. Conclusions	24
REFERENCES / WORKS CITED	
APPENDICES	
A. LIST OF WATER SUPPLY DEVELOPMENT PROJECT OPTIONS	
B. FINAL ORDER OF THE NFWFMD GOVERNING BOARD	

LIST OF FIGURES

Figure 1. Region II - Santa Rosa, Okaloosa, and Walton Counties	1
Figure 2. Potentiometric Surface of the Upper Floridan Aquifer in June 2000	5
Figure 3. Potentiometric Surface of the Upper Floridan Aquifer in September 2015	6
Figure 4. Hydrograph of Mary Esther #2.....	7
Figure 5. Region II Floridan Aquifer and FRUS Sand-and-Gravel Water Use (mgd).....	7
Figure 6. BEBR Population Estimates 1998-2018 and Future Projections	8
Figure 7. Gross Per Capita Rates (gpcd)	13
Figure 8. WSD Projects and Water Potential (mgd).....	16

LIST OF TABLES

Table 1. 2015 Estimated Water Use and 2020-2040 Demand Projections (mgd) - Average.....	3
Table 2. 2015 Estimated Water Use and 2020-2040 Demand Projections (mgd) - Drought.....	4
Table 3. Summary of WRD Projects	11
Table 4. Reuse and WWTF Flow 2015 and Future Potential Reuse Availability (mgd) 2020-2040	12
Table 5. Conservation Potential (mgd) and Number of BMPs to Achieve 10% Goal.....	12
Table 6. Water Supply Development (WSD) Project Options	15
Table 7. Region II Strategies and Additional WSD Project Options	18
Table 8. Potential WSD Projects, Costs, and Sources of Funding	19

ACRONYMS AND ABBREVIATIONS

AR	Aquifer Recovery
ASR	Aquifer Storage and Recovery
AWS	Alternative Water Supply
BEBR	Bureau of Economic and Business Research (University of Florida)
BMP	Best Management Practices
DEP	Florida Department of Environmental Protection
F.A.C.	Florida Administrative Code
FCSC	Florida Community Services Corporation of Walton County, dba Regional Utilities
FDACS	Florida Department of Agriculture and Consumer Services
FRUS	Fairpoint Regional Utility System
F.S.	Florida Statutes
gpd	Gallons per Day
GWUP	General Water Use Permit
IWUP	Individual Water Use Permit
MFL(s)	Minimum Flow and Minimum Aquifer Level(s)
mgd	Million Gallons per Day
OCWS	Okaloosa County Water and Sewer
RUA	Regional Utility Authority
RPS	Recovery or Prevention Strategies
RWSP	Regional Water Supply Plan
SWUC	South Walton Utility Company
USACE	U.S. Army Corps of Engineers
USGS	U.S. Geological Survey
WPSPTF	Water Protection and Sustainability Program Trust Fund
WRCA	Water Resource Caution Area
WRD	Water Resource Development
WSA	Water Supply Assessment
WSD	Water Supply Development
WWTP/WWTF	Wastewater Treatment Plant/Wastewater Treatment Facility

1. INTRODUCTION

Section 373.036, Florida Statutes, requires water management districts to conduct a water supply assessment every five years to determine the need for regional water supply planning. The assessments must examine all water use categories for a 20-year planning horizon. The Northwest Florida Water Management District (NFWFMD or District) completed the 2018 Water Supply Assessment (WSA) Update of water supply needs and resources based on meeting those needs for a 1-in-10-year drought event to the 2040 planning horizon. The District's Governing Board determined that regional water supply planning for Region II (Okaloosa, Santa Rosa, and Walton counties) should continue.

This Regional Water Supply Plan (RWSP) for Region II (Figure 1) will help guide current and future water supply decisions by the District, utilities, and self-suppliers. Although groundwater sources remain available across the region, alternative water supplies will be needed to meet increasing demands, particularly in coastal areas. This plan provides a brief review of the Region II RWSP background and accomplishments, a summary of the 2018 WSA including its resource evaluation, proposed and potential water resource development (WRD) and water supply development (WSD) projects, funding strategies, and coordination efforts. The expected outcome of plan implementation is that sufficient water will be available for all existing and future uses and natural systems over the 20-year planning period through 2040, and that any adverse effects stemming from competition for water supplies are avoided.

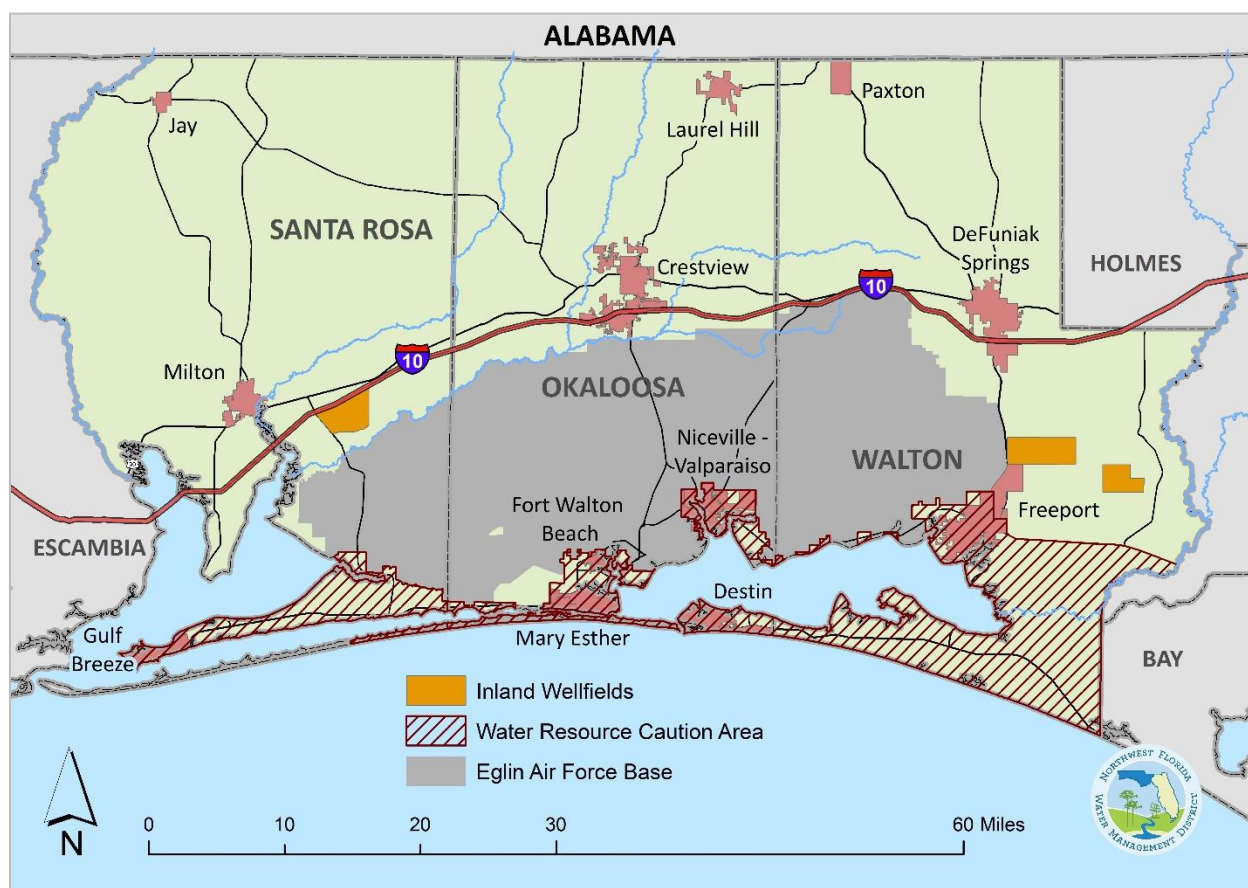


Figure 1. Region II - Santa Rosa, Okaloosa, and Walton Counties

1.1 Background

Drawdown of water levels in the Floridan aquifer and related water supply and water quality concerns in coastal areas of Region II began as early as 1940. Resource evaluations, water management plans, and consumptive use regulation advanced over subsequent decades to address these issues. The 1998 WSA (Ryan, et al., 1998) identified the need for the first Region II RWSP.

The first Region II RWSP (Bartel, et al., 2000) was based on 1995 water use estimates and water demand projections to the 2020 planning horizon. Plan recommendations included Floridan groundwater sustainability modeling, sand-and-gravel aquifer analysis, surface water feasibility studies, water conservation and reuse analysis, and further evaluation and feasibility analysis of aquifer storage and recovery (ASR). Desalination of sea and brackish waters was evaluated. The 2006 RWSP Update (NFWFMD, 2006) continued plan implementation with 2005 estimates and water demand projections to the 2025 planning horizon. The 2006 plan focused on continuing implementation of projects previously identified, increasing the amount of reclaimed water, and identifying long-range solutions. The 2012 RWSP Update (Busen and Bartel, 2012) continued plan implementation with 2010 base year estimates and water demand projections to the 2030 planning horizon.

1.2 Regulatory Framework

Coastal areas of Region II (Figure 1) are a designated Water Resource Caution Area (WRCA), which provides for special water use permitting criteria such as additional restrictions on general water use permits (GWUPs); prohibiting new and expanded use of the Floridan aquifer for irrigation and other non-potable uses; encouraging and promoting the use of reclaimed water; and conditioning public supply utilities to submit water conservation plans, programs, and measures. In addition, the standard individual water use permit (IWUP) duration of 20 years may be lessened by special factors such as location within the WRCA or localized water resource concerns.

1.3 Accomplishments

Regional water supply planning has been ongoing in Region II for nearly 20 years. Major accomplishments to date include alternative water supply development and water resource evaluations, which include the District's minimum flows and minimum water levels (MFLs) program and comprehensive groundwater modeling initiatives. Enhanced data collection to support the Coastal Region II Floridan aquifer MFL technical assessment began in 2015 as part of larger groundwater modeling, sustainability analyses, and water supply assessment efforts. Data collection for the Shoal River MFL technical assessment began in 2018 to support evaluations of the Shoal River as a potential future alternative water supply source.

In alternative water supply (AWS) development inland wellfields, transmission pipelines, and associated facilities have been constructed to bring inland groundwater to coastal communities and reduce Floridan aquifer withdrawals in coastal areas. This source change has enabled Floridan aquifer water levels to partially recover and slowed saltwater intrusion. Alternative water supplies developed further during 2006-2009 with financial support from the Water Protection and Sustainability Program Trust Fund (WPSPTF). The District's water supply development grant and cooperative program was funded from FY 2013-14 through FY 2016-17 and supported reuse system expansion and feasibility studies, water conserving infrastructure upgrades, and new storage and transmission facilities.

2. WATER SUPPLY AND WATER RESOURCE EVALUATION

The technical data, modeling tools, and methods used to support and develop this Region II RWSP are in the District's 2018 WSA Update (NFWFMD, 2018), incorporated by reference and summarized below. Updated data and analyses since the 2015 base year, where available, are also provided.

2.1 Estimates and Projections

Region II is the District's largest and fastest growing water supply planning region. Eglin Air Force Base encompasses significant land across southern portions of all three counties and the Blackwater River State Forest covers over 210,000 acres in northern parts of Santa Rosa and Okaloosa counties. Nearly 13,300 acres of the Bay-Walton Sector Plan, an area of planned regional development, are located in southeastern Walton County.

The 2018 WSA Update estimated water supply needs for all existing 2015 and future reasonable-beneficial uses through 2040. Projections for normal and 1-in-10-year drought conditions address the level-of-certainty planning goal. Population estimates include seasonal resident adjustments and Florida Statewide Agricultural Irrigation Demand (FSAID) data was the basis for agriculture (FDACS, 2017).

Population

The 2015 permanent population estimate for Region II was 415,510 (BEBR, 2016). The 2015 seasonally adjusted population estimate was 469,615 and this is expected to climb 33 percent to about 623,300 by 2040. Walton County has the highest projected population growth rate and the highest estimated impacts from seasonal residents Districtwide. Most seasonal residents are in coastal areas.

2015 Water Use Estimates and Demand Projections

In 2015, public supply was just over two-thirds of Region II estimated water use and recreational water use was 15 percent of the 69.7 mgd total (Table 1). Agricultural irrigation is relatively minor but projected to increase through 2040. Power generating facilities serving industrial uses are in the ICI category. The overall projected future increase in demand is about 25 mgd in an average year. About 85 percent of this future demand is expected to continue being in the public supply and recreational water use categories.

Table 1. 2015 Estimated Water Use and 2020-2040 Demand Projections (mgd) - Average

Use Category	Estimates	Future Demand Projections - Average Conditions					2015-2040 Change	
	2015	2020	2025	2030	2035	2040	mgd	%
Public Supply	47.480	51.645	55.275	58.777	62.004	64.999	17.519	36.9%
DSS	3.956	4.328	4.672	4.627	4.580	4.444	0.488	12.3%
Agriculture	2.798	3.004	3.241	3.523	3.769	3.967	1.169	41.8%
Recreational	10.793	11.827	12.749	13.552	14.288	14.923	4.130	38.3%
ICI	4.708	6.073	6.315	6.546	6.546	6.546	1.838	39.0%
Power	-	-	-	-	-	-	n/a	n/a
TOTALS	69.734	76.879	82.251	87.025	91.185	94.879	25.144	36.1%

The total drought year projection may reach 106 mgd by 2040 (Table 2). Agriculture and recreational irrigation water uses are most affected by precipitation and drought and are therefore projected to have the highest percentage increases in demand in drought year conditions. Public supply and recreation remain the largest water use categories and about 85 percent of total drought year demand.

Table 2. 2015 Estimated Water Use and 2020-2040 Demand Projections (mgd) - Drought

Use Category	Estimates	Future Demand Projections - Drought Year Events					2015-2040 Change	
	2015	2020	2025	2030	2035	2040	mgd	%
Public Supply	47.480	55.259	59.144	62.891	66.344	69.548	22.068	46.5%
DSS	3.956	4.631	4.999	4.952	4.901	4.754	0.798	20.2%
Agriculture	2.798	3.612	3.975	4.389	4.751	5.047	2.249	80.4%
Recreational	10.793	15.848	17.083	18.160	19.146	19.997	9.204	85.3%
ICI	4.708	6.073	6.315	6.546	6.546	6.546	1.838	39.0%
Power	-	-	-	-	-	-	n/a	n/a
TOTALS	69.734	85.423	91.516	96.938	101.688	105.892	36.158	51.9%

Demand Projections Updates

This section provides supplemental analysis of projected increases in water demands by water use category and by water source.

Agriculture

Irrigated agricultural lands are located across northern areas of all three counties. Projected growth is focused in Santa Rosa County northwest of Milton where the sand-and-gravel aquifer is the primary water source. Agricultural water use is projected to increase between 1.2 and 2.3 mgd for an average and drought year, respectively. Because of the sand-and-gravel's productive and high recharge characteristics, and due to the relatively small quantities needed, agriculture water supply demands are anticipated to be met with current sources.

Domestic Self-Supply (DSS)

Outside of Eglin AFB, DSS wells are fairly evenly distributed across the region and are generally assumed to withdraw from the same aquifer as nearby public supply utilities. As public supply utilities expand their service areas, decreases in this category are also recognized. When evaluating water demand by source, projected increases in DSS demand are grouped together with the public supply category.

Industrial-Commercial-Institutional (ICI)

The projected increase in ICI demand is less than two mgd by 2040 and no significant demand variations are anticipated during drought events. For these reasons, projected increases in ICI demand are anticipated to be met by existing permitted allocations. Where appropriate, ICI permittees work with others in cooperative WRD or WSD projects to meet the overall goals of the plan.

Public Supply

The projected increase in public supply water demand by 2040 is 17.5 mgd and 22 mgd in drought conditions. Together with DSS, projected increases in 2040 water demand total 18 and 23 mgd in drought conditions. About 30 percent of Region II public supply and DSS needs are provided by the sand-and-gravel aquifer and 70 percent by the Floridan aquifer. Assuming the same percentage of withdrawals over future years, the projected water use in average and drought conditions are approximately five to seven mgd from the sand-and-gravel aquifer and 13 mgd and 16 from the Floridan aquifer.

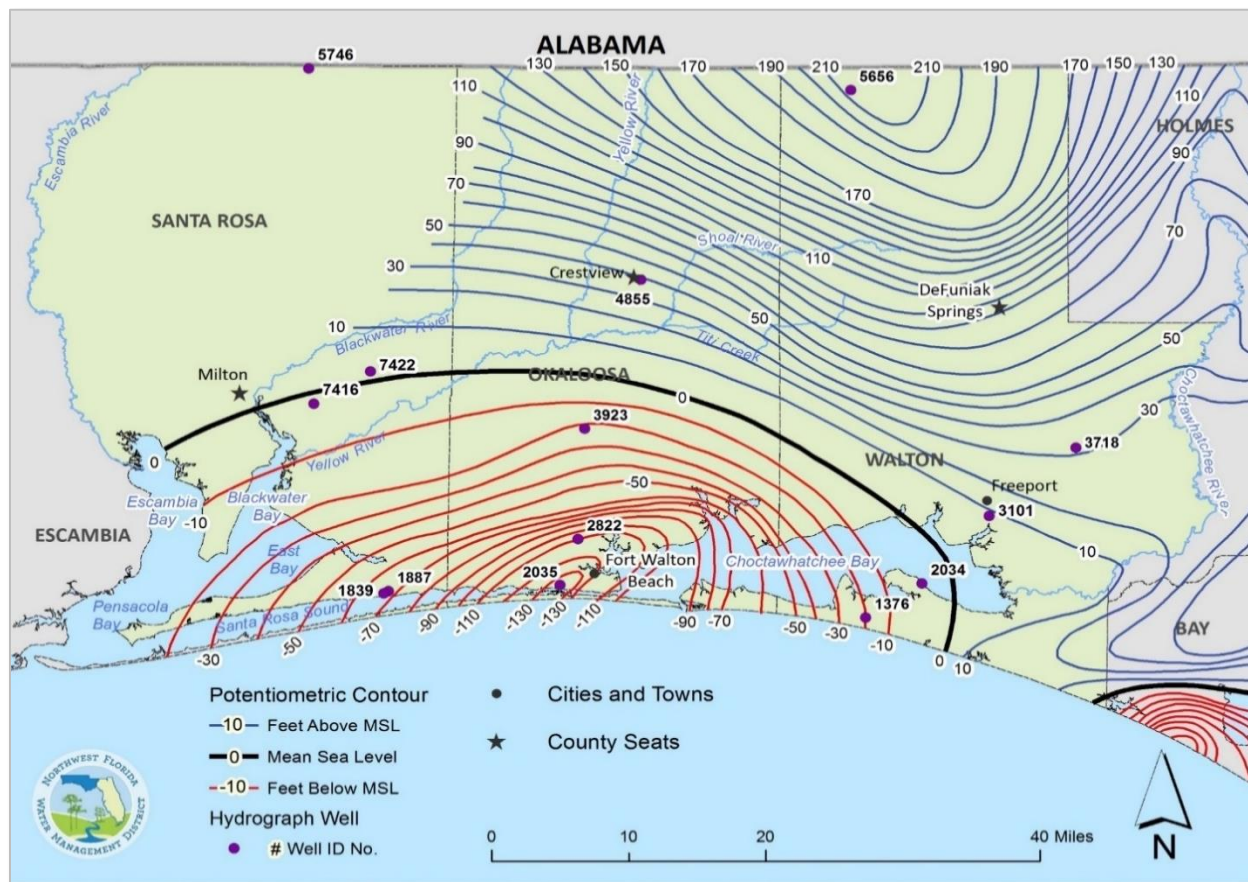
Since the development of inland wellfields, the permitted groundwater allocation of many Region II utilities and regional suppliers appear to provide adequate amounts of water to meet public water supply needs through 2040. However, with a substantial and persistent cone of depression in coastal areas of the Floridan aquifer, further work is needed to estimate water supply needs while also sustaining water resources and related natural systems before allocations can be considered sufficient.

Recreational

Recreational water demand is projected to increase by 4.1 mgd (9.2 mgd in drought conditions) over the planning period. Recreational estimates include both IWUP and GWUP water users. Most Region II recreational permittees with an IWUP already have stringent permit conditions, limited allocations, restrictions on use of the Floridan aquifer, and encouragement to conserve water and develop reuse or other alternative sources. For recreational uses with IWUPs, about half of water use is from groundwater sources and half from surface or other waters. Of groundwater sources, over 80 percent is from the sand-and-gravel aquifer. Surface water sources, such as ponds for golf courses, may include complex water flow systems and co-mingling with reclaimed water. The source of GWUP recreational water supplies is generally assumed to be surficial or sand-and-gravel aquifer resources. However, further analysis is needed to more completely understand water sources and estimate the recreational water supply needs, particularly in coastal areas of Region II.

2.2 Resource Assessment

Principle Region II groundwater resources are the sand-and-gravel aquifer in Santa Rosa County and the Upper Floridan¹ aquifer in Okaloosa and Walton counties. A steady decline in Floridan aquifer water levels between 1940 and 2000 resulted in a loss of as much as 185 feet of head pressure from pre-development levels along the coast: from about 50 feet above sea level to -135 feet below mean sea level (Figure 2). This changed the coast from an area of natural discharge to an area of induced recharge.



¹ The 'Upper Floridan' and 'Floridan' terms are interchangeable for the purpose of this Region II RWSP.

The sand-and-gravel aquifer is productive with a high rate of recharge and capable of providing regionally-significant quantities of water. At the same time, high recharge rates also make the sand-and-gravel aquifer susceptible to anthropogenic contamination.

Substantial investments in alternative water supply and reductions in coastal pumping in the Floridan aquifer have enabled water levels to recover by nearly 60 feet over much of the area since 2000 (Figure 3). However, a significant cone of depression in the Floridan aquifer potentiometric surface is still present and long-term concerns related to saltwater intrusion remain.

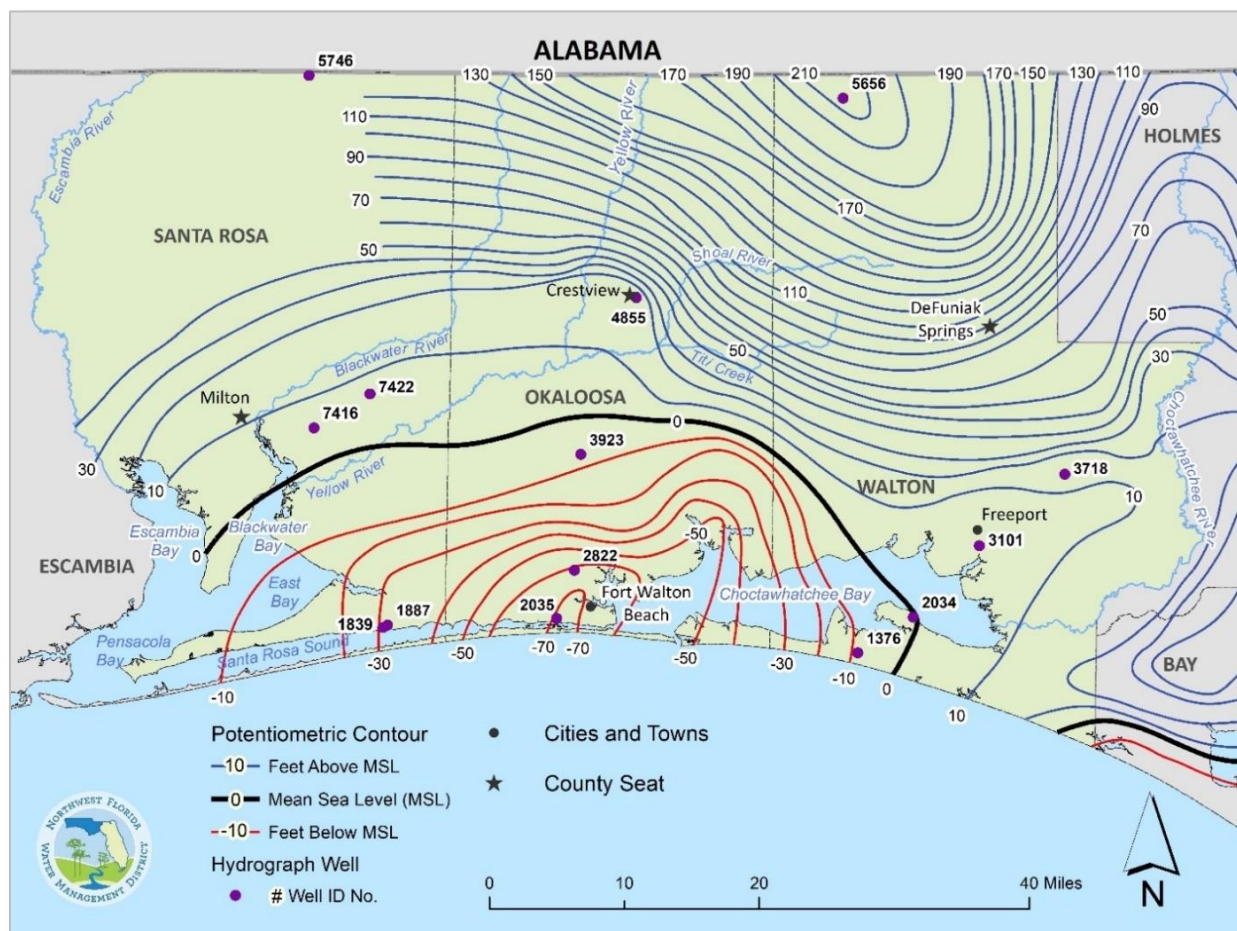


Figure 3. Potentiometric Surface of the Upper Floridan Aquifer in September 2015

These successes have slowed, but not eliminated, the rate of saltwater intrusion. Also, naturally-occurring poor quality Floridan aquifer groundwater include coastal areas of Walton County near the eastern extent of Choctawhatchee Bay and more mineralized water just west of the Midway area near Navarre Beach. Pumping from the Floridan aquifer has reduced water levels and monitoring data indicates that poor water quality may be moving towards potable water wells. Further, saline water within the Floridan aquifer below the Gulf of Mexico may be moving laterally landward.

Marked recovery in Mary Esther water levels since 2000 is evident in Figure 4 and the shift from coastal to inland withdrawals contributing to recovery of Floridan water levels is illustrated in Figure 5. Efforts to stabilize or reduce coastal Floridan withdrawals and develop alternative water sources have been partially successful but need to continue in Region II.

2.3 Supplemental Data and Analyses

This section provides additional data and analyses subsequent to the 2018 WSA Update to support this 2019 Region II RWSP.

Floridan Aquifer and FRUS Updates

Floridan aquifer recovery trends are positive through 2017, but water levels have declined since and are currently about 75 feet below mean sea level (MSL) near the center of the cone of depression. The rate of movement of the saltwater interface in coastal areas of all three counties is still uncertain.

The shift from coastal to inland withdrawals and progress toward recovery of Floridan aquifer water levels is associated with inland wellfield development primarily during the 2000-2010 decade. Coastal Floridan pumping was reduced from 29 mgd in 2000 to 17 mgd in 2010, while inland Floridan water use more than doubled. Regional inland suppliers are:

- Fairpoint Regional Utility System (FRUS) in Santa Rosa County (sand-and-gravel withdrawals);
- Walton County (inland Floridan aquifer withdrawals):
 - *South Walton Utility Company (SWUC), and,*
 - *Florida Community Services Corporation (FCSC) dba Regional Utilities.*

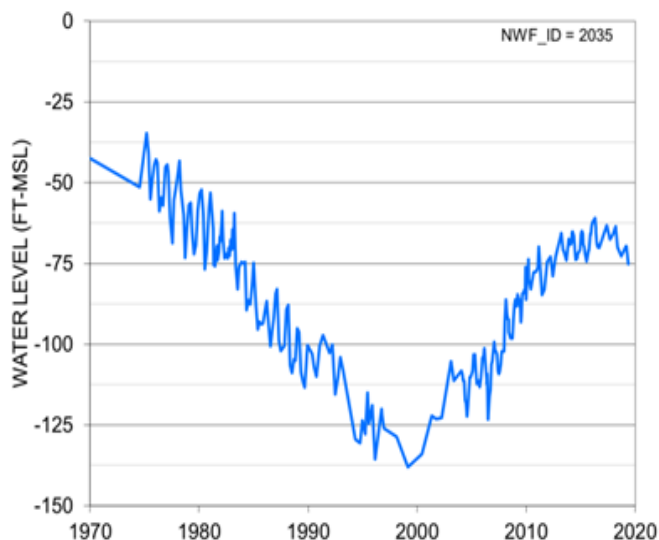


Figure 4. Hydrograph of Mary Esther #2

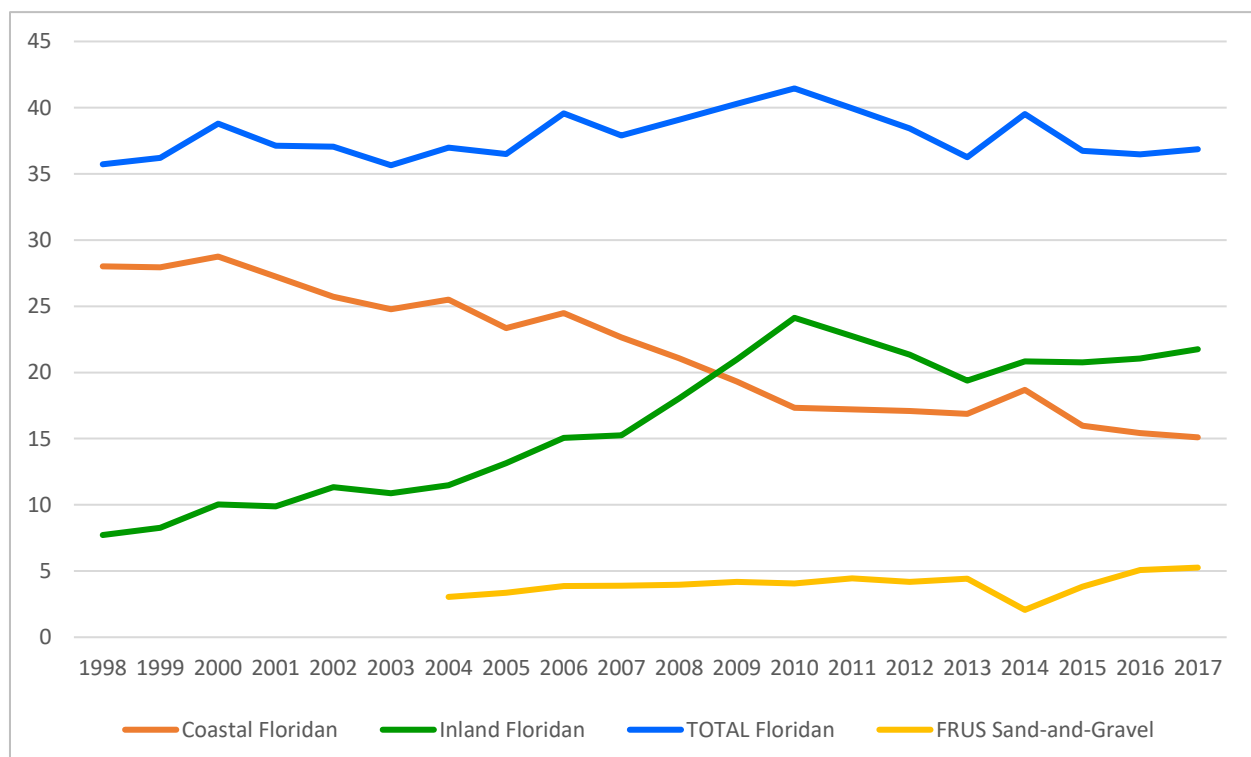


Figure 5. Region II Floridan Aquifer and FRUS Sand-and-Gravel Water Use (mgd)

Coastal areas of Santa Rosa County are now primarily served by the FRUS sand-and-gravel aquifer inland wellfield. An IWUP was issued to FRUS in 2001 and the first record of pumping was about 3.0 mgd in 2004, which grew to 4.0 mgd in 2010 and close to 5.3 mgd by 2017 (Figure 5).

Infrastructure line breaks in 2014 contributed to higher Floridan aquifer and lower sand-and-gravel aquifer water uses. Total Floridan aquifer withdrawals have remained relatively static over the 20-year period from 1998 to 2017 (Figure 5). Total Floridan use was 36 mgd in 1998, 36 mgd in 2016, and averaged less than 38 mgd throughout the 1998-2017 period. From 2010-2017, the overall trend in all Floridan aquifer withdrawals indicate slight declines while FRUS withdrawals on the sand-and-gravel aquifer increased by approximately 30 percent over the same timeframe.

Population Updates

The Region II population increased six percent, or 25,185 persons, from 2015 to 2018. Walton County continues to be the fastest and Santa Rosa the second-fastest growing county Districtwide. In 2018, Walton County was the fourth-fastest growing county in the State of Florida. Population updates are consistent with historical population data and these trends are expected to continue (BEBR, 2019).

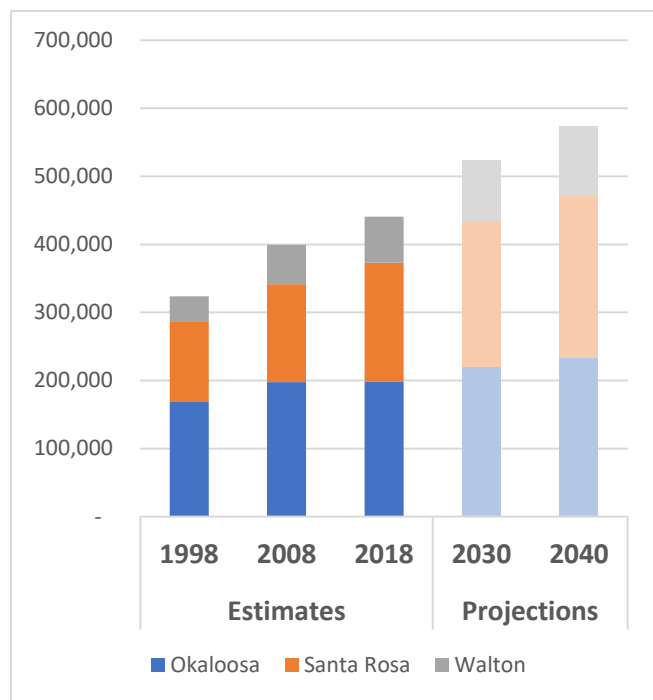


Figure 6. BEBR Population Estimates 1998-2018 and Future Projections

Updated population estimates and projections illustrate ongoing growth and increasing shares of Santa Rosa and Walton counties populations (Figure 6). The Santa Rosa County population is expected to meet and supersede Okaloosa County around the year 2035.

Population and Water Use

As of 2017, 96 percent of Region II Floridan aquifer water use was in Okaloosa and Walton counties. Preliminary analysis indicates that if Floridan aquifer withdrawals had increased concurrent with population growth 1998-2017, the total Floridan water use in 2017 could have been as high as 47 mgd, or 10 mgd higher than the 2017 estimate of 37 mgd.

As noted above, FRUS was pumping 5.3 mgd in 2017. Therefore, conservation programs and other AWS development may have contributed to the overall steady total Floridan aquifer water use as illustrated in Figure 5.

MFL Recovery and Prevention Strategies

The District's minimum flows and minimum water level (MFL) program includes two waterbodies on the District's 2018 MFL priority list within Region II. Calibration of hydrologic models is ongoing for the coastal Floridan aquifer MFL evaluation with the technical assessment estimated to be completed in 2020. Hydrologic data collection began for the Shoal River MFL, and Morrison Spring, a second-magnitude spring in Walton County, is on the NFWMD waterbody list for MFL development in future years.

To date there are no adopted MFLs and therefore no recovery or prevention strategies (RPS) in Region II. Further, there are no water bodies subject to regulatory reservations and no Outstanding Florida Springs in Region II. If developed, future RWSPs will assess how the plan and identified projects support any applicable recovery or prevention strategies. The District's MFL priority list and schedule are updated annually and posted on the District website: www.nwfwater.com.

Sea Level Rise and Saline Water Intrusion

Florida is vulnerable to the effects of future changes in climate and sea level rise. Dense, low-lying coastal populations are particularly at risk. In NFWMD Region II, coastal water demand has the potential to increase the drawdown of the Floridan aquifer and the associated threat of saltwater intrusion to coastal fresh water supplies.

Through this plan, the District continues to work with utilities and local governments to reduce the vulnerability of coastal water supplies to salt water intrusion caused by water withdrawals or sea level rise, or both. The District continues data collection, modeling, and evaluations to better understand the uncertainty regarding movement of the saltwater interface in coastal areas of Region II.

3. WATER RESOURCE AND WATER SUPPLY DEVELOPMENT

The overall goal of this RWSP is to ensure sufficient water supplies for water users and water resources for the planning period through 2040. Water resource development is primarily the role of water management districts, and defined² as:

“... the formulation and implementation of regional water resource management strategies, including the collection and evaluation of surface water and groundwater data; structural and nonstructural programs to protect and manage water resources; the development of regional water resource implementation programs; the construction, operation, and maintenance of major public works facilities to provide for flood control, surface and underground water storage, and groundwater recharge augmentation; and related technical assistance to local governments, government-owned and privately owned water utilities, and self-suppliers to the extent assistance to self-suppliers promotes the policies as set forth in s. 373.016.”

Water supply development is primarily the role of local governments and utilities, and defined³ as:

“... the planning, design, construction, operation, and maintenance of public or private facilities for water collection, production, treatment, transmission, or distribution for sale, resale, or end use.”

Water resource development projects must support water supply development and the needs of water resources and related natural systems. The total capacity of water supply development project options must exceed the future needs through 2040 and consider:

- The potential for water conservation and other demand management measures;
- Water resource constraints; and,
- Any adopted minimum flows and minimum water levels and water reservations.

Water resource and water supply development strategies and projects to address sub-regional and localized challenges at times require targeted approaches to respond to unique issues in specific areas. Both WSD and WRD projects should include:

- Estimates of the amount of water to become available;
- Implementation timeframe and estimated planning level costs for:
 - Capital investments
 - Operation and maintenance
- Analysis of funding needs and possible funding sources; and,
- Identification of implementation entity or entities and current status of project implementation.

² Section 373.019(24), F.S.

³ Section 373.019(26), F.S.

3.1 Water Resource Development Component

This section describes sources of water and water resource development projects currently anticipated to be needed for the planning period. Although these activities are primarily led by the District, project development, funding, and technical support may also come from utilities and other project partners.

WRD Projects

Water resource development strategies for aquifer systems are becoming increasingly integrated into more comprehensive groundwater modeling and resource evaluations. At the same time, MFL technical assessments are also being conducted for specific waterbodies. Region II WRD projects include surface water development, reuse of reclaimed water, water conservation, aquifer storage and recovery (ASR), groundwater evaluations, and supporting data collection, technical analyses, and planning (Table 3).

Table 3. Summary of WRD Projects

Activity	Description	Water (mgd) ¹
Surface Water	<u>Shoal River MFL Technical Assessment</u> . Resource evaluations to determine minimum flows needed to protect riverine habitats and associated resources.	TBD
Reuse	Coordination of reuse of reclaimed water projects and programs.	10
Conservation	Coordination of water conservation projects and programs.	6
Aquifer Storage and Recovery (ASR)	Technical support for aquifer storage and recovery (ASR) or aquifer recharge (AR) as a component of IWUPs.	2
Groundwater Evaluations	Sand-and-gravel aquifer resource evaluations to update alternative water supply assessments.	TBD
	Floridan aquifer resource evaluations and <u>Coastal Floridan MFL Technical Assessment</u> to develop and apply groundwater flow and saltwater intrusion models with recovery/prevention strategies as required.	TBD
Data Collection and Analysis	Hydrologic data collection, monitoring, and analyses.	NA
	Water use data, analyses, planning, and WSD support.	NA

¹ Estimates of water available or potential to be made available.

Surface Water Development

Surface water resources are a potential water supply source within Region II. Previous surface water investigations and analyses have focused on the Shoal River as a potential alternative water supply source for Okaloosa County and the region (PBS&J 2006). The District has supported cooperative efforts to evaluate alternatives, funding options, and site plans with Okaloosa County and project partners that have included Eglin AFB and the U.S. Army Corps of Engineers. From 2011-2015, Okaloosa County successfully acquired more than 1,600 acres of land along the Shoal River near Interstate 10 for future development of an offline reservoir and for water resource protection. The District and Okaloosa County will continue coordinating on this project through the planning period.

Completion of the Shoal River MFL technical assessment in future years is expected to protect key water resource values such as fish and wildlife habitats, recreation, and freshwater storage and supply. The MFL

analyses will also support future IWUP permitting decisions regarding withdrawal allocations. Additional information on Shoal River development is in the WSD section.

Reuse and Conservation

Developing reclaimed water sources and water conservation are important components of meeting future demands in Region II. The District continues reuse and conservation data collection, analyses, inter-district coordination, and program development. District reuse information is updated annually by DEP. The District uses this information to evaluate trends and potential uses in the context of water supply planning. Further efforts are needed to quantify water conservation savings and prioritize reclaimed water availability. Reuse feasibility studies and conservation measures are required of permittees within the WRCA and are encouraged in other areas. These planning and regulatory activities are expected to be ongoing and continue through the planning horizon 2020-2040.

Reuse of Reclaimed Water

The 2018 WSA reuse estimates and projections are based on potable offset reuse flows, which include public access irrigation and irrigation of edible crops, toilet flushing, fire protection, and industrial uses. The 2015 county average estimated reuse flows, future estimated availability, wastewater treatment facility (WWTF) data, and reuse utilization rates are in Table 4.

Table 4. Reuse and WWTF Flow 2015 and Future Potential Reuse Availability (mgd) 2020-2040

County	Reuse Flow 2015	Future Reuse Potential Availability					Total 2015 WWTF Active Systems		
		2020	2025	2030	2035	2040	No. of	Flow	%*
Okaloosa	3.98	11.95	12.55	12.99	13.38	13.72	12	15.19	26%
Santa Rosa	3.08	3.75	4.30	4.76	5.20	5.51	9	6.23	50%
Walton	2.51	5.72	6.66	7.51	8.36	9.02	10	7.20	35%
TOTALS	9.57	21.43	23.50	25.27	26.94	28.24	31	28.62	33%

**Percent of Potable Offset Reuse to Total WWTF Flow*

Submitted WSD projects (see Section 3.2) and completed utility feasibility studies indicate a potential of up to 10 mgd of reuse water may be made available. The District continues to work with utilities and local governments to identify opportunities for reuse expansion and for more integrated reuse management strategies. Implementation of projects are subject to funding availability and if funded are expected to continue through the planning period.

Water Conservation

The amount of water available from water conservation is estimated to be 6.0 mgd. This estimate is from the 2018 WSA conservation analysis and is based on a ten percent reduction goal applied to the 60 mgd future public supply demand (Table 5).

Table 5. Conservation Potential (mgd) and Number of BMPs to Achieve 10% Goal

County	10% Reduction Goal			No. of BMPs to Achieve 10% Goal		
	Within WRCA	Outside WRCA	10% Reduction Goal Conservation Potential	Within WRCA	Outside WRCA	All Areas
Okaloosa	1.9	0.7	2.6	108,060	40,500	148,560
Santa Rosa	0.8	1.4	2.2	53,780	81,020	134,800
Walton	1.0	0.2	1.3	56,090	12,550	68,640
TOTALS	3.7	2.3	6.0	217,930	134,070	352,000

Conservation would be realized primarily through best management practices (BMP) retrofits in homes and other buildings with more efficient plumbing fixtures and irrigation efficiency improvements. Implementation was estimated to require over 350,000 individual BMP retrofits (Table 5).

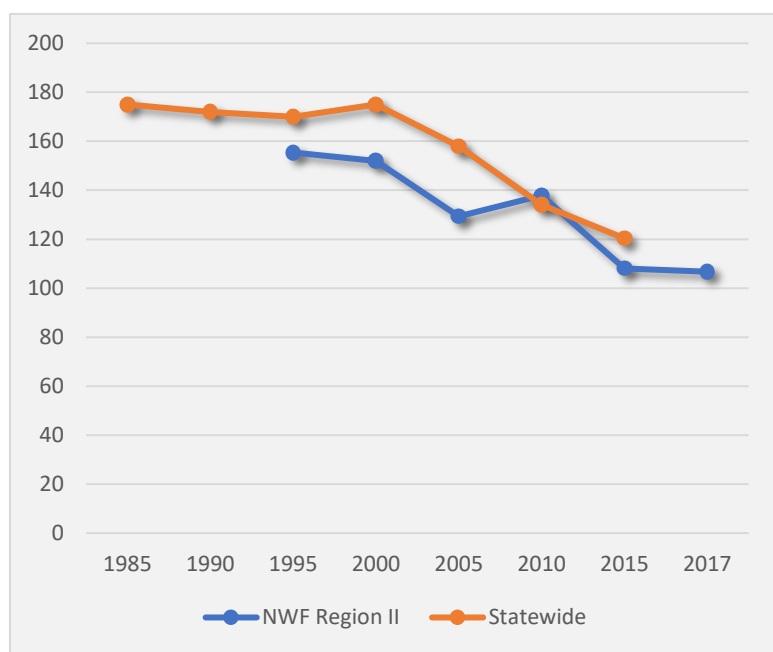


Figure 7. Gross Per Capita Rates (gpcd)

District data shows that water conservation efforts by public supply utilities and residents have successfully reduced per capita water use rates in Region II (Figure 7). While differences remain at an individual utility level, the region-wide average gross per capita rate dropped 31 percent between 1995 and 2017, comparable with statewide reductions (DEP, 2018).⁴

Preliminary analysis indicates that if utilities had maintained higher per capita rates, the 2015 water use could have been six to ten (6-10) mgd higher. Successful reductions in per capita rates suggest that the potential for additional water conservation remains.

Conservation strategies can be implemented through regulation, passive savings,⁵ incentive programs, and/or voluntary initiatives. Plumbing and irrigation BMPs are one option in an overall water conservation strategy. Future potential water conservation projects may include:

- Conservation guidelines, public awareness campaigns, and education;
- Furthering the adoption and acceptance of water conserving local ordinances;
- Assistance in calculating or refining population estimates and per capita rates;
- Leak detection surveys, audits, and meter replacement programs;
- Assistance to improve or refine water conserving tap fees and rate structures;
- Strategies to enhance or expand targeted reductions or restrictions on use of impaired water resources (e.g., Floridan aquifer) for irrigation, aesthetic, or other non-potable uses;
- Support for implementing water conserving BMPs across all water use categories:
 - *Plumbing fixture retrofits or replacement to high-efficiency fixtures*
 - *Power and ICI water conserving products and systems*
 - *Irrigation system upgrades and automatic shut-off controls*
 - *Lowering irrigation needs with Florida-Friendly landscaping, planting appropriate crops, and crop rotation BMP practices.*

The District continues to encourage water conservation through public information and outreach. Water conservation resources for homeowners, business, agriculture, and industry are provided on the District's website. More targeted outreach is at times in the form of responding to individual requests or providing

⁴ Statewide 2015 rate from preliminary USGS data.

⁵ Passive conservation occurs when markets (at times due to regulation) improve water efficiencies of products.

information at public events. Public information and outreach activities are expected to be ongoing and continue through the planning horizon 2020-2040.

Aquifer Storage and Recovery (ASR)

Depending on hydrogeologic characteristics, aquifer storage and recovery (ASR) has the potential to store large quantities of water for subsequent use. One ASR system in coastal Okaloosa County has an IWUP to withdraw 1.12 mgd for landscape irrigation. A few aquifer recharge (AR) projects in NFWFMD are for groundwater remediation and restoration due to poor quality or contaminated waters. These AR projects are not estimated to create any new water. The WRD estimate of 2.0 mgd is for the existing ASR-IWUP and an additional 0.88 mgd that may be generated by future ASRs, ARs, or other AWS water projects.

Groundwater Evaluations

The District has groundwater evaluation programs that include groundwater modeling, MFL technical assessments, and WSA resource assessments. Comprehensive groundwater modeling efforts are ongoing or planned that encompass the Floridan, Intermediate, sand-and-gravel, and surficial aquifer systems from Escambia County, throughout Region II, and including counties east of Region II to the Apalachicola River. Groundwater models will be updated and refined as needed to support WSAs and MFL assessments through the planning horizon 2020-2040.

Sand-and-Gravel Aquifer

The District plans to include sand-and-gravel aquifer resources into larger groundwater models and further evaluate the capacity of the sand-and-gravel as an alternative water source.

Floridan Aquifer

The Floridan aquifer functions as one regional system across inland and coastal areas. The Floridan aquifer has effective confining units such as the Intermediate aquifer system and the Bucatunna Clay that separate the productive unit from the overlying surficial aquifer and underlying lower Floridan aquifer, respectively. Designation of Floridan aquifer withdrawals as “coastal” or “inland” facilitate water use and planning evaluations, however, Floridan aquifer withdrawals in inland areas can affect Floridan aquifer levels near the coast. Data collection for the Region II coastal Floridan MFL began in 2015. In the 2019-2020 timeframe the work plan includes recalibration of groundwater flow and transport models, completion of technical assessments, evaluating the need for recovery or prevention strategies, and facilitating peer review and public involvement. Pending any required recovery or prevention strategies and extent or progress of RWSP implementation, MFLs will be developed and updated as required and in conjunction with WSA resource assessments.

Data Collection and Analysis

This section addresses initiatives supporting other WRD components that are not expected to result in quantifiable estimates of water available or to be created.

Hydrologic Data

Hydrologic data collection, monitoring, and hydrologic analyses are essential to multiple District functions and programs. In Region II, the District continues building the network of rainfall gauges, streamflow gauges, and monitoring wells. Water quality and water quantity monitoring capabilities are enhanced by continuing cooperation with USGS and data provided by water use permittees. Current hydrologic and long-term trends data provide valuable inputs to all resource evaluation activities, including groundwater modeling, MFL technical assessments, and WSA water resource assessments. Hydrologic data activities are ongoing year-round and anticipated to continue through the planning horizon 2020-2040.

Water Use Data and Planning

Water use data are vital, ongoing inputs to multiple District and state programs and reporting requirements. Water use data is analyzed to prepare estimates and metrics annually and future demand projections are generated every five years in conjunction with WSAs. The next Districtwide WSA is scheduled for 2021. If the District's Governing Board approves a WSA determination of the need for or continuation of a RWSP, a plan will be developed or updated.

3.2 Water Supply Development Component

This section describes water supply development projects, including traditional and alternative water supply options, identified as feasible and proposed by utilities and other self-suppliers. Alternative water supply (AWS) includes salt water, brackish waters, surface water (captured predominately during wet weather flows), sources made available through the addition of new storage capacity, reuse of reclaimed water, the downstream augmentation of water bodies with reclaimed water, stormwater, and any other water supply source designated as nontraditional in this RWSP.

WSD Project Options

Outreach to public supply utilities and other self-suppliers occurred between January and October 2019. From outreach responses, proposed WSD project options and estimates of AWS and non-AWS water are summarized in Table 6. A list of specific projects proposed is provided in **Appendix A**. Local governments, utilities, regional and multi-jurisdictional water suppliers, and other self-suppliers may choose from WSD project options.

Table 6. Water Supply Development (WSD) Project Options

Project Type	Description	AWS (mgd) ¹	Non-AWS (mgd) ²	Time-frame	Estimated Costs
Shoal River Surface Water	Shoal River water supply source development, storage, and conveyance infrastructure.	5.00		2030 - 2040	\$50,000,000
Reuse	Development or expansion of reclaimed water facilities and infrastructure.	9.50		2019 - 2035	\$29,905,000
Conservation	Water conserving infrastructure improvements and system upgrades.	Note (A)	Note (A)	2019 - 2040	\$53,102,098
Sand-and-Gravel Aquifer	Additional water supply for FRUS in Santa Rosa County.	1.15		2019 - 2020	\$1,695,000
	Other sand-and-gravel aquifer water supply in Santa Rosa and Okaloosa counties.		1.90	2020 - 2040	\$7,900,000
Floridan Aquifer	Proposed new Floridan wells, potential system interconnections, and replacement wells.		3.76	2022 - 2040	\$11,310,000
Storage and Distribution	New capacity created through storage tank facilities or distribution infrastructure.		15.65	2020 - 2035	\$36,815,000
	TOTALS	15.65	21.31		\$190,727,098

¹ Estimates of potential alternative water to be made available.

² Estimates of potential water from non-AWS traditional sources.

Note (A): Quantification of estimated water to be saved is not available at this time.

Water conservation and alternative water supply development projects meet the goals of this RWSP and are therefore preferred RWSP options. This includes alternative water source switching, such as the sand-and-gravel as an alternative to Floridan aquifer withdrawals in coastal areas. Traditional groundwater projects have been identified by utilities and, although not preferred, may still be options for inland areas. Project sponsors will need to conduct or demonstrate detailed technical and financial feasibility reviews including engineering and resource assessments as needed to support permitting and funding requirements. Furthermore, any proposed Floridan aquifer projects in the Region II WRCA are subject to the constraints stipulated in s. 40A-2.802, F.A.C.

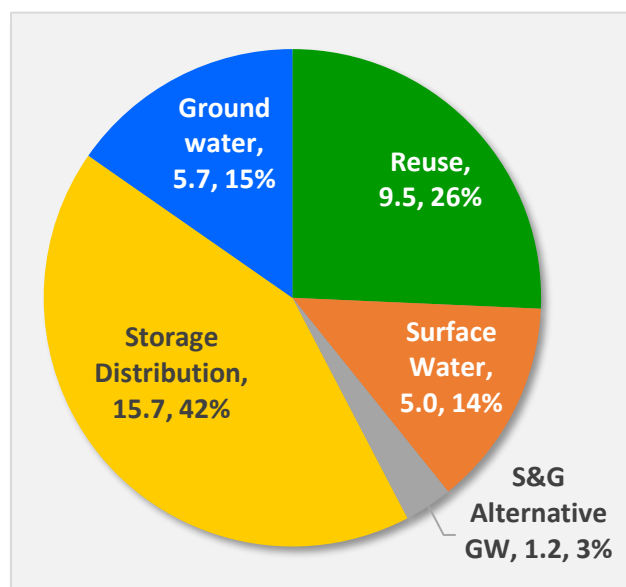


Figure 8. WSD Projects and Water Potential (mgd)

Altogether, a total of about 37 mgd of new water supply may be generated by utilities over the planning horizon at a total cost of about \$191 million. Project types include reuse and surface water development, new storage tanks or other capacity created, new and replacement groundwater wells, and water conservation. Reuse and other AWS would generate about 42 percent of potential new water (Figure 8). Traditional sources would likely be reserved for public supply uses only.

The estimated cost without conservation projects is \$138 million or an average of \$2.6 million per mgd of water created. If each of the 35 projects categorized as conservation saved an average of 0.09 mgd they would collectively add three mgd for a new total of about 40 mgd.

Over the planning horizon, at least two AWS projects listed in this RWSP are needed pursuant to section 373.709(8), F.S., to continue reducing reliance on Floridan aquifer withdrawals in coastal areas and to support water resource protection in Region II.

Surface Water Development

As discussed in Section 3.1, Okaloosa County Water & Sewer (OCWS) is working to develop the Shoal River as an alternative water supply. The project will construct 3,400 linear feet of raw water line, a 155-acre reservoir and pump station, 5 mgd treatment plant expandable up to 20 mgd, and about 3.3 miles of water transmission mains. The anticipated time frame is 2030-2040 and preliminary estimated cost is \$50 million to develop the plant and the initial 5 mgd. Specific funding sources have yet to be determined.

The Shoal River project is a continuation of one of the more important strategies identified in the first Region II RWSP in 2000. The project plan is to augment potable water supplies to both the Mid-County service area around the City of Crestview and the Main Garniers service area in the vicinity of Fort Walton Beach. These two service areas are now connected with water distribution infrastructure and were combined into one IWUP in 2018. This AWS project is needed to continue reducing reliance on Floridan aquifer withdrawals in coastal areas and to support water resource protection in Region II.

Reuse of Reclaimed Water

A total of eight potential reuse projects in Okaloosa, Santa Rosa, and Walton counties would create up to 9.5 mgd of reclaimed water at an average cost of \$4.3 million per project or about \$3.5 million per mgd

of reuse water created. The total estimated cost of \$29.9 million is for seven projects (one project does not yet have a cost estimate). Projects may begin as early as 2019-2020 and be implemented through 2035. Funding sources include local impact and capacity fees, capital improvement project (CIP) funds, state appropriations or grants, USDA, and other available grants and loans.

Water Conservation

To promote water conservation, a total of 35 infrastructure improvement and system upgrade projects categorized as conservation have been proposed at a total cost of \$53.1 million. Estimates of the quantity of water that may be conserved have not been provided and the cost of conservation projects varies considerably. Larger projects totaling \$31.4 million include system-wide infrastructure and water meter upgrades. Other water conserving projects are infrastructure replacements, water system loops, interconnections, meter upgrades or replacements, and maintenance and are estimated to be an average of \$0.68 million per project. Schedule of implementation includes ongoing projects and others through 2040. Potential funding sources include USDA Rural Development, TRIUMPH, and state appropriations.

Groundwater

Due to the limited potable water resources in the WRCA, groundwater uses within the Water Resource Caution Area are not preferred options, and are subject to the constraints in section 40A-2.802, FAC. The development of sand-and-gravel and Floridan aquifer regional inland wellfields has historically been an effective strategy to support the recovery of Floridan aquifer water levels in coastal areas.

This plan includes one additional source-switching project proposed by FRUS to develop a sand-and-gravel well to supply 1.2 mgd of alternative water supply at a total cost of \$1.7 million or about \$1.5 million per mgd. The planned source of funding is the state revolving fund (SRF). This AWS project is needed to continue reducing reliance on Floridan aquifer withdrawals in coastal areas and to support water resource protection in Region II.

Other potential projects will replace or construct new groundwater wells or create interconnections between service areas at a total estimated cost of \$19.2 million. For projects expected to generate new water the total estimated cost is \$13.1 million or an average of \$1.3 million per project or \$2.3 million per mgd of water created. Some projects are underway while others are future planned projects through 2040. Funding sources include local fees and funds, SRF funds, USDA, and grants and loans. Sources of funding for several projects have yet to be determined.

Storage and Distribution

This category of WSD projects includes multiple ground and elevated water storage tanks and infrastructure improvement projects that increase water supply capacity at a total estimated cost of \$36.8 million. For projects expected to generate new water the total estimated cost is \$18.3 million, which is an average of \$1.4 million per project or \$1.2 million per mgd of water created. Potential timeframe for storage and distribution projects is 2020-2035. Funding sources include local impact and capacity fees, state appropriations or grants, USDA, and other available grants and loans.

Other Project Opportunities

When a mined property reaches its useful life, there may be opportunities to coordinate closure requirements and water supply development planning efforts in an area. Should such opportunities exist, variance provisions identified in section 378.212(1)(g) or 378.404(9) may be used to create WSD or WRD projects, in coordination with DEP and consistent with section 373.709(2)(j). There are no known mines in Region II with conceptual land reclamation plans that would create WSD or WRD projects. The District will coordinate with DEP on any future opportunities for such projects, as applicable.

Region II may also benefit from multi-jurisdictional approaches and joint project collaboration among public utilities and regional water supply authorities and other recreational, agricultural, industrial, commercial, and institutional self-suppliers. This RWSP recognizes that AWS options for agricultural self-suppliers are limited; however, expanded use of agricultural ponds, reuse of reclaimed water, and crop and irrigation conservation practices (BMPs) have successfully reduced demands in many parts of Florida.

Additional water supply development projects may arise during the implementation of this RWSP. Strategies and options for potential additional projects are in Table 7.

Table 7. Region II Strategies and Additional WSD Project Options

Strategies	Additional WSD Project Options
1. Continue reducing reliance on coastal Floridan aquifer resources.	Additional projects in the WRCA or that reduce water use in WRCA communities, and other areas with sub-regional or localized aquifer water level drawdown.
2. Enhance appropriate and efficient use of all water resources.	Promote and encourage water conservation plans, programs, measures, and projects. Provide resources and technical support to quantify water conservation savings.
3. Continue implementing and investigating additional alternative water supplies and conservation.	Quantifiable conservation projects and more reuse projects to offset potable supplies and provide other beneficial uses. Additional feasible ASR/AR to provide alternative water supplies, recharge aquifer resources, and/or salinity barriers. Further investigate salt or brackish reverse osmosis or desalination, surface water development, surface water capture during wet-weather flows, stormwater, or mixed-water blending, also known as a “one water” concept.
4. Add interconnections and water storage capacity.	Particularly in the WRCA or that benefit WRCA and coastal communities with aquifer drawdown and/or vulnerable to storm impacts.

4. FUNDING AND COORDINATION

This chapter provides an analysis of funding needs and sources of possible funding options for both WRD and WSD projects, a funding strategy for WRD projects, and additional coordination elements.

4.1 Funding Needs

The primary Region II funding needs are, and will continue to be, assisting local entities in the implementation of WSD projects and continuing WRD projects.

The cost for WRD projects is estimated annually in the District's Five- Year Water Resource Development Work Program (WRDWP). A recent estimate for the FY 2019-2023 timeframe was about \$4 million or an average of about \$811,000 per year. If held constant, with no inflation and no substantive programmatic changes, a 20-year estimate would be \$16 million. At this time there are no current or planned District water supply infrastructure or facility projects, therefore, no capital investment is needed, and no financial resources required to operate and maintain any physical projects.

Of the \$190.7 million in WSD projects, several have no identified source of funding, including the \$50 million Shoal River surface water development project. About half of the 88 proposed projects totaling \$58.8 million or about 30 percent of the total costs would be implemented with in-house or local funds, the remainder relying on multiple sources (Table 8). Potential funding sources include DEP SRF, USDA Rural Development, the District, legislative appropriations, and TRIUMPH.

Table 8. Potential WSD Projects, Costs, and Sources of Funding

County	In-House/Local	Multiple Sources	TOTAL
Okaloosa	\$23,018,000	\$82,589,098	\$105,607,098
Santa Rosa	\$1,000,000	\$20,770,000	\$21,770,000
Walton	\$34,750,000	\$28,600,000	\$63,350,000
Totals	\$58,768,000	\$131,959,098	\$190,727,098

4.2 Funding Options for WRD and WSD

Financial resources are needed for both water resource and water supply development. Funding for the development of alternative water supplies is a shared responsibility pursuant to s. 373.707 and 373.709, F.S., with the State of Florida and water management districts responsible for funding assistance. Sources of possible funding options are summarized below.

Public-Private Partnerships

The basic principle of public-private partnerships is cost sharing but may also include sharing of technical expertise, assets, and the burden of risk. Partnerships may be formed between funding organizations and local implementation entities; between different water uses and processes, for example industrial or commercial reuse of reclaimed water from a water utility's WWTP; and between private business interests and those providing a public service such as clean water supply. Cost sharing partnerships may be at any level and potentially together with any of the funding options and resources listed below.

Local Resources

The cost of water supply and wastewater treatment provide basic revenue to operate and maintain water supply systems. A utility may have additional resources to fund infrastructure expansion in response to growth and development but is typically limited in their ability to finance alternative water supplies. Utilities may levy connection or tap fees, impact fees, minimum charges, and inclined block rate or volume

charges; and issue and secure bonds and incur debt to develop water supplies. Regional water supply authorities, community development district's (CDDs), and special water supply or sewer districts have additional authority to apply special assessments and levy local taxes.

NWFWMD

The state constitution limits the NWFWMD to 1/20th (0.05 mills) of one mill, significantly less than the ad valorem taxing authority afforded the other four water management districts. This substantially limits the amount of revenue available to support implementation of major WRD and WSD projects and initiatives, including alternative water supply projects. To support both programmatic activities and WSD capital projects, the District relies on outside funding sources such as state appropriations and grant funding; and may apply any available reserve funds for priority projects.

A funding strategy for WRD projects (s. 373.709(2)(d), F.S.) shall be reasonable and sufficient to pay the cost of constructing or implementing all listed projects. For the WRD component of this RWSP, the District relies on funding sources identified annually in the District's budget and further highlighted in the Five-Year Water Resource Development Work Program (s. 373.536, F.S.).

State Level

Funding assistance from the State of Florida includes dedicated trust funds, revolving fund programs, and small community grants. The Water Protection and Sustainability Program Trust Fund (WPSPTF) was created by the Florida Legislature in 2005⁶ to fund alternative water supply and water storage facilities. The WPSPTF is primarily for water supply projects implemented by local governments or water supply entities. Applicability to WRD is in the cooperative efforts in the development of water supplies and AWS.⁷

The State of Florida has two State Revolving Fund (SRF) programs:

1. The Drinking Water SRF program provides funding assistance to eligible cities, counties, authorities, special districts, and other privately owned, investor-owned, or cooperatively held public water systems. Low interest loan funding is based on a priority system of public health considerations, compliance, and affordability. Affordability includes the evaluation of median household income, population affected, and small public water systems, which serve a population of 500 people or fewer. For rate-based public water systems, pre-construction and construction loan funds are available; and pre-construction and construction grants are available for small, financially disadvantaged communities.
2. The Clean Water SRF program provides low-interest loans for planning, designing and constructing water pollution control facilities under Chapter 62-503, F.A.C., for wastewater, stormwater, and certain energy and other types of projects. Loan funds are made available for planning, design and construction. Small, disadvantaged communities may also be eligible for grants, which, once qualified, can significantly reduce the amount owed on a CWSRF loan. The loan terms include a 20-year amortization and low-interest rates. Financing rates vary based on the median household income, the poverty index, and the unemployment index.

The Small Community Wastewater Construction Grants grant program assists small communities and wastewater authorities pursuant to Chapter 62-505, F.A.C. An eligible small community must have a total population of 10,000 or less and have a per capita income less than the state of Florida average. The highest priority is given to projects that address a public

⁶ Sections 403.890 and 403.891, F.S.

⁷ Sections 373.707 and 373.475, F.S.

health risk and projects that are included in a Basin Management Action Plan (BMAP). All projects must receive a Clean Water SRF loan to receive these grant funds.

The 1999 Florida Forever Act created the Florida Forever Trust Fund (s. 259.1051, F.S.) to acquire and preserve land and watershed resources, and up to half of the program funding may be used for certain capital improvement projects including water resource development projects on public lands, such as groundwater recharge and stormwater management. Typically, WRD or WSD projects are allowed if MFLs have been established for applicable waters (s. 259.105, F.S.). When Florida Forever funding is appropriated by the Legislature, 30 percent was customarily allocated to Florida's water management districts and the remaining 70 percent to nine other state agencies, divisions, offices, and programs.⁸

2010 Deepwater Horizon

Settlements from the 2010 Deepwater Horizon oil spill and the enactment of the Resources and Ecosystems Sustainability, Tourist Opportunities, and Revived Economies (RESTORE) of the Gulf Coast Act of 2012 made available several special restoration programs and funding opportunities. These include the Gulf Coast Restoration Trust Fund, Natural Resources Damages Act (NRDA) Restoration Program, National Fish and Wildlife Foundation and Gulf Environmental Benefit Fund, Triumph Gulf Coast, Inc. (TRIUMPH), and other individual settlement funds. Projects that meet the specific goals of these funding sources, such as reclaimed water projects that help eliminate coastal discharges or stormwater treatment facilities also used as storage, may be eligible for funding.

Federal

The United States Environmental Protection Agency (USEPA) administers the following programs:

- The Water Infrastructure Finance and Innovation (WIFIA) Act established a financing mechanism to accelerate investment in regionally or nationally significant WRD projects. The WIFIA program is closely correlated with states SRF programs.
- State and Tribal Assistance Grants provide funding assistance through cooperative agreements with 45 percent in matching funds from local government cooperators.

Following appropriation of WIFIA funds by congress, a Notice of Funding Availability (NOFA) is issued to provide credit assistance for up to 49 percent of eligible project costs. The national or regional significance criteria is evaluated with respect to economic and public benefits. Minimum project size is \$20 million for large communities and \$5 million for small communities (population of 25,000 or less).

The United States Department of Agriculture's Natural Resources Conservation Service provides technical and financial assistance to agricultural producers through the Environmental Quality Incentive Program (EQIP) for the installation or implementation of structural and management practices to improve environmental quality on agricultural lands. Water supply and nutrient management through detention/retention or tailwater recovery ponds can also be implemented through this program.

⁸ DEP Florida Forever website: <https://floridadep.gov/lands/environmental-services/content/florida-forever>.

4.3 RWSP Coordination

This section addresses coordination elements not covered in other parts of this RWSP.

Public Interest and Cost Savings

Water supply development projects are intended to serve the public interest or save costs overall (s. 373.709(2)(e), F.S.) by preventing the loss of natural resources or by avoiding greater future expenditures. Pursuant to s. 373.016(4)(a), F.S., the use of water from sources nearest the area of use or application is encouraged, whenever practical. In coastal areas of Region II this has not been possible or practical for many decades where over-consumption created water quality and water resource issues, including a significant Floridan aquifer drawdown near the coast and an increased risk of saltwater intrusion. These issues prompted the need for significant investments in alternative water supplies and development of alternative water supply source locations at inland wellfields.

The RWSP with a 20-year outlook, five-year updates, and participatory planning process provides opportunities to plan, prepare for, and implement, WSD projects well before natural resources are diminished and before urgent water supply needs result in more costly expenditures. The implementation of this Region II RWSP since 2000 has seen marked recovery in coastal Floridan water resources but efforts need to continue to ensure that the public interest is served in the most cost-effective manner possible.

RWSP Partnerships

The Walton-Okaloosa-Santa Rosa Regional Utility Authority (RUA) was established in 1986 to address water supply needs and protection of water resources on a regional level. The RUA is comprised of the three Region II counties and municipalities of Destin, Fort Walton Beach, Gulf Breeze, Mary Esther, and Niceville. The RUA and its representative utilities and local governments have been instrumental to the successes of alternative water supply projects developed to date in Region II.

This Region II RWSP and WSD projects were developed jointly (s. 373.709(3), F.S.) with regional water supply authorities, utilities, self-suppliers, and local governments. During development of the District's 2018 WSA, surveys were distributed to invite review and feedback on population and water use estimates and future demand projections. Both in-person and online public forums presented draft 2018 WSA findings with opportunities for public comment. Technical data and modeling tools were presented at a public workshop in July 2018. Further information on the 2018 WSA Update outreach and public involvement efforts is on the District website: <https://nwfwater.com/Water-Resources/Water-Supply-Planning/Water-Supply-Assessments>. In December 2018, the District's Governing Board determined in public meeting that regional water supply planning for Region II should continue.

An informational Region II RWSP public meeting was held in January 2019 followed by outreach to individual public supply and regional utilities and other self-suppliers with requests to submit WSD projects. In September 2019 information regarding the Draft 2019 Region II RWSP and upcoming public meetings was sent to permittees, advertised, and posted on the District website. Two public workshops were held on October 3, 2019, and a public comment period remained open through October 30, 2019.

Local Coordination

Water supply development project options (s. 373.709(7-8), F.S.) are not required to be selected by local entities but RWSP data and information may be referenced in reviewing permit applications. Where the WSD component shows the need for one or more alternative water supply projects, the District notifies affected local governments. Potential follow-up actions may include educating and involving local public officials toward solutions, and presentations of findings and recommendations. Affected local governments notify the District of projects or options developed or to be developed and provide annual

updates by November 15 of each year. Programs and projects may need to be incorporated into local comprehensive plans, pursuant to s. 163.3177(6)(c), F.S.

Watershed and Reuse Coordination

In addition to water supply, many of the activities and project options within this plan also have water quality and watershed benefits. Region II includes portions of the Pensacola Bay System, Choctawhatchee River and Bay, and St. Andrew Bay watersheds. Surface Water Improvement and Management (SWIM) plans for these and other priority District watersheds were most recently updated in 2017-2018. Cross-cutting strategies from SWIM plans to this Region II RWSP include reuse of reclaimed water projects, and watershed projects that support surface waters protection (e.g. Shoal River) and enhanced aquifer recharge. Additional information on SWIM Plans is available at: <https://www.nwfwater.com/Water-Resources/Surface-Water-Improvement-and-Management>.

For statewide consistency and for the purposes of Section 403.064, F.S., all of Region II is considered a WRCA for planning purposes only. This statute is within the jurisdiction of DEP and refers to permitting for wastewater treatment and the need for feasibility studies.

5. CONCLUSIONS

The Region II future water demand is expected to climb 36 percent to about 95 mgd by 2040. Together, public supply and recreation account for about 85 percent of Region II water use, and many of the largest public supply and recreational water users - with fast growing communities and with seasonal impacts - are in coastal areas with water resource constraints.

The total projected increase in Region II demand from 2015-2040 is 25 mgd. Public supply and recreation are the water use categories that most need WSD and WRD strategies and projects to meet future water supply needs. Current permitted allocations can provide some of the water needed for future public supply demands. Recreational uses already have regulatory restrictions on use of the Floridan aquifer and limited allocations. Reuse or other alternative water sources are encouraged with both public supply and recreational permittees in the WRCA. However, evaluations are still underway to determine water supply needs to sustain regional water resources and related natural systems, MFL technical assessments are ongoing and need for recovery or prevention strategies to be determined, the Floridan aquifer remains vulnerable to saltwater intrusion, there are still sub-regional and localized water quality and quantity issues, demand remains high in coastal areas, and rapid population growth is expected to continue.

This plan provides water resource and water supply development projects to meet increases in demand while sustaining water resources and related natural systems through 2040.

Water Resource Development Projects

- MFL technical assessments and groundwater evaluations
- Coordination of reuse and water conservation projects
- Technical support during IWUP applications for ASRs and ARs
- Hydrologic data and monitoring
- Water use data, analyses, and WSA/RWSP assessments and planning.

Water Supply Development Projects

- Alternative water supply development including the Shoal River, reuse of reclaimed water, and the inland sand-and-gravel aquifer
- Water conservation
- Storage capacity and distribution improvements
- Traditional Floridan and sand-and-gravel aquifer resources, where appropriate.

Continued coordination with partners, developing relevant multijurisdictional approaches, and securing funding sources are needed to continue advancing water resource protection and water supply development in Region II.

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Appendix A. List of Water Supply Development Project Options

***NOTE :** Water conservation and alternative water supply development projects meet the goals of this RWSP and are therefore preferred RWSP options. This includes alternative water source switching, such as the sand-and-gravel as an alternative to Floridan aquifer withdrawals in coastal areas. Traditional groundwater projects have been identified by utilities and, although not preferred, may still be options for inland areas. Project sponsors will need to conduct or demonstrate detailed technical and financial feasibility reviews including engineering and resource assessments as needed to support permitting and funding requirements. Furthermore, any proposed Floridan aquifer projects in the Region II WRCA are subject to the constraints stipulated in s. 40A-2.802, F.A.C.*

#	Implementing Entity(s)	Project Title	County	Project Type	Estimated Quantity to be Supplied (mgd)	Expected Start Date	Expected End Date	Planning Level Capital Costs	Planning Level Annual O&M Costs	Proposed Source(s) of Funding
1	OCWS	Shoal River Off-Line Reservoir & Surface Water Treatment Plant	Okaloosa	Surface Water	5.00	2030	2040	\$50,000,000	\$500,000	TBD
2	Auburn Water System, Inc.	New Elevated Water Storage Tank	Okaloosa	Storage Distribution	0.50	2024	2026	\$1,370,000	\$11,000.00	Capacity Replacement Fees
3	Baker Water System	Well #4 + Tank	Okaloosa	Storage Distribution	0.15	2025	2035	\$1,000,000	NA	Local loans, to be be repaid by revenues
4	City of Crestview	Antioch Water Tank	Okaloosa	Storage Distribution	0.50	2020	2025	\$1,300,000	N/A	Water Construction Fund
5	City of Crestview	Brookmeade Drive Water Tank	Okaloosa	Storage Distribution	0.50	2030	2035	\$1,750,000	N/A	Water Construction Fund
6	City of DeFuniak Springs	Coy Burgess New 14" Loop Water Main	Walton	Storage Distribution	0.50	2024	2026	\$1,200,000	\$27,000	SRF; Legislature; City Impact and Capacity Fees
7	City of Freeport	Ground Storage Tank on US 331 North of Wagon Wheel	Walton	Storage Distribution	0.20	2020	2021	\$250,000	\$10,000	City Impact and Capacity Fees
8	City of Freeport	New Elevated Storage Tank	Walton	Storage Distribution	0.75	2030	2032	\$1,500,000	\$30,000	USDA; SRF; City Impact and Capacity Fees
9	City of Freeport	US 331 Phase I Water Improvements	Walton	Storage Distribution	1.00	2020	2021	\$1,600,000	\$30,000	SRF; Legislature; City Impact and Capacity Fees
10	City of Freeport	US 331 Phase II Water Improvements	Walton	Storage Distribution	-	2021	2022	\$1,800,000	\$35,000	SRF; Legislature; City Impact and Capacity Fees
11	City of Laurel Hill	Paxton-Laurel Hill WM Interconnection	Okaloosa	Storage Distribution	-	2027	2027	\$500,000	N/A	USDA Rural Development
12	Destin Water Users, Inc.	Crosstown Connector Watermain	Okaloosa	Storage Distribution	-	2021	2022	\$45,000		Impact and Capacity Fees
13	Destin Water Users, Inc.	New Elevated Storage Tank	Okaloosa	Storage Distribution	0.75	2022	2025	\$2,000,000	\$15,000	Impact and Capacity Fees
14	Destin Water Users, Inc.	Tower 4 Altitude Valve	Okaloosa	Storage Distribution	0.50	2019	2020	\$25,000		Impact and Capacity Fees
15	Inlet Beach Water System	Inlet Beach Ground Storage Tank	Walton	Storage Distribution	-	2020	2022	\$550,000	\$10,000	Operating Revenues
16	Moore Creek Mount Carmel Utilities, Inc.	Town of Jay Interconnection from Well #1 on SR 85	Santa Rosa	Storage Distribution	0.30	2021	2021	\$75,000	\$5,000	SRF, NWFWMMD, USDA Rural Development
17	Regional Utilities	24" Water Transmission Pipeline from US331 Plant to Hwy 98	Walton	Storage Distribution	TBD	2024	2025	\$700,000		Impact Fees
18	Regional Utilities	5 Million Gallon Ground Storage Water Tank (East)	Walton	Storage Distribution	5.00	2020	2021	\$2,600,000		Impact Fees
19	Regional Utilities	5 Million Gallon Ground Storage Water Tank (West)	Walton	Storage Distribution	5.00	2024	2025	\$3,600,000		Impact Fees
20	Regional Utilities	New 12" water line on Old Blue Mountain Road from US98 to Chat Holley	Walton	Storage Distribution	TBD	2022	2023	\$500,000		Impact Fees
21	Regional Utilities	New 18" water line upgrade on CR30A from Lakewood to Camp Creek	Walton	Storage Distribution	TBD	2020	2021	\$1,400,000		Impact Fees
22	Regional Utilities	New 24" water line on US98 from CR393 to Thompson Road	Walton	Storage Distribution	TBD	2021	2022	\$1,100,000		Impact Fees
23	Regional Utilities	New 24" water line on US98 from Sugar Drive to CR30A West	Walton	Storage Distribution	TBD	2023	2024	\$1,400,000		Impact Fees
24	Regional Utilities	New 24" water line on US98 from Thompson Road to Sugar Drive	Walton	Storage Distribution	TBD	2022	2023	\$550,000		Impact Fees
25	Regional Utilities	US 331 Phase I Pipeline - 30" Source Water	Walton	Storage Distribution	TBD	2019	2020	\$5,000,000		Impact Fees
26	Regional Utilities	US 331 Phase II Pipeline - 30" Source Water	Walton	Storage Distribution	TBD	2020	2020	\$5,000,000		Impact Fees
27	Fairpoint Regional Utility System	FRUS Well #7 - Alternative Source Switching	Santa Rosa	S&G Alternative GW	1.15	2019	2020	\$1,695,000	\$30,000	State Revolving Fund
28	City of Crestview	WWTP Reuse Project	Okaloosa	Reuse	1.00	2030	2035	\$1,200,000	N/A	Grant funds
29	City of Freeport	Freeport WWTF Reclaimed Water for Irrigation	Walton	Reuse	1.50	2022	2024	\$15,000,000	\$100,000	USDA; City Impact and Capacity Fees
30	City of Milton	City Milton Reuse	Santa Rosa	Reuse	2.50	2019	2021	\$2,900,000	\$5,000	City of Milton, loans, and available grants
31	Destin Water Users, Inc.	Reuse Piping East	Okaloosa	Reuse	0.20	2021	2022	\$30,000		Impact and Capacity Fees
32	Destin Water Users, Inc.	Reuse Piping North	Okaloosa	Reuse	0.40	2019	2021	\$175,000		Impact and Capacity Fees
33	Destin Water Users, Inc.	Reuse Piping West	Okaloosa	Reuse	0.40	2019	2021	\$100,000		Impact and Capacity Fees
34	OCWS	Jerry D. Mitchem WRF Reclaimed Water Supply	Okaloosa	Reuse	1.00	2025	2030	TBD	TBD	TBD
35	OCWS / City of Niceville / Eglin Air Force Base	Okaloosa County/Niceville/Eglin AFB Reclaimed Water Project	Okaloosa	Reuse	2.50	2020	2021	\$10,500,000	\$90,000	OCWS CIP & State Appropriation (FDEP Grant)
36	Auburn Water System, Inc.	New Well #9	Okaloosa	Groundwater	0.15	2030	2031	\$700,000	\$40,000	In-House
37	Auburn Water System, Inc.	Water Well 3 Replacement	Okaloosa	Groundwater	0.30	2020	2021	\$860,000	\$40,000	Capacity Replacement Fees
38	Auburn Water System, Inc.	Well #2 Replacement	Okaloosa	Groundwater	-	2022	2023	\$600,000	\$40,000	In-House
39	Auburn Water System, Inc.	Well #3 Replacement	Okaloosa	Groundwater	-	2028	2029	\$700,000	\$40,000	In-House
40	Auburn Water System, Inc.	Well #4 Replacement	Okaloosa	Groundwater	-	2034	2035	\$800,000	\$40,000	In-House
41	City of Crestview	Arena Road Water Well	Okaloosa	Groundwater	1.15	2030	2035	\$950,000	N/A	Water Construction Fund
42	City of Milton	Ferris Hill Area New Well	Santa Rosa	Groundwater	0.50	2025	2030	\$1,700,000	\$77,000	City of Milton & Grants if available
43	City of Milton	Glover Lane / Hamilton Bridge New Well	Santa Rosa	Groundwater	0.50	2030	2040	\$1,800,000	\$84,500	City of Milton & Grants if available
44	City of Milton	Roevill Area New Well	Santa Rosa	Groundwater	0.50	2020	2025	\$1,600,000	\$70,000	City of Milton & Grants if available
45	East Milton Water System	East Milton Well #7	Santa Rosa	Groundwater	0.40	2021	2025	\$1,000,000	\$30,000	In House
46	Holt Water Works	New Well - Galliver Cutoff (Backup and Increase Pressure)	Okaloosa	Groundwater	-	2022	2025	\$800,000	\$10,000	Grant/Loan 50/50
47	Moore Creek Mount Carmel Utilities, Inc.	Well No. 4 on North Simmon Road in Jay - Replacement	Santa Rosa	Groundwater	-	2021	2022	\$1,000,000	\$75,000	SRF, NWFWMMD, USDA Rural Development
48	OCWS	Additional Public Water Supply Well for Mid-County and Garniers System	Okaloosa	Groundwater	0.72	2030	2040	\$1,500,000	\$50,000	TBD

Appendix A. List of Water Supply Development Project Options

***NOTE :** Water conservation and alternative water supply development projects meet the goals of this RWSP and are therefore preferred RWSP options. This includes alternative water source switching, such as the sand-and-gravel as an alternative to Floridan aquifer withdrawals in coastal areas. Traditional groundwater projects have been identified by utilities and, although not preferred, may still be options for inland areas. Project sponsors will need to conduct or demonstrate detailed technical and financial feasibility reviews including engineering and resource assessments as needed to support permitting and funding requirements. Furthermore, any proposed Floridan aquifer projects in the Region II WRCA are subject to the constraints stipulated in s. 40A-2.802, F.A.C.*

#	Implementing Entity(s)	Project Title	County	Project Type	Estimated Quantity to be Supplied (mgd)	Expected Start Date	Expected End Date	Planning Level Capital Costs	Planning Level Annual O&M Costs	Proposed Source(s) of Funding
49	OCWS	Bluewater System Additional Water Supply	Okaloosa	Groundwater	0.72	2030	2040	\$1,500,000	\$50,000	TBD
50	OCWS	Shoal River Ranch Public Water Supply Well	Okaloosa	Groundwater	0.72	2025	2030	\$1,500,000	\$50,000	TBD
51	Regional Utilities	New Backup Well at Nokuse Wellfield	Walton	Groundwater	-	2020	2022	\$500,000		Impact Fees
52	Regional Utilities	Well 13 and Pipeline	Walton	Groundwater	TBD	2022	2023	\$850,000		Impact Fees
53	Regional Utilities	Well 14 and Pipeline	Walton	Groundwater	TBD	2024	2025	\$850,000		Impact Fees
54	Auburn Water System, Inc.	Water Main Replacement	Okaloosa	Conservation	-	2020	2021	\$110,000	\$5,000	Capital Improvement Fees
55	Auburn Water System, Inc.	Water Main Replacement	Okaloosa	Conservation	-	2021	2022	\$50,000	\$2,000	Capital Improvement Fees
56	Auburn Water System, Inc.	Water Meter Replacement	Okaloosa	Conservation	-	2019	2025	\$503,000	\$25,000	Capital Improvement Fees
57	Berrydale Water System	Camp Henderson Road Water Line Replacement	Santa Rosa	Conservation	-	Upon Funding	ASAP	Not Estimated - TBD	N/A	Grant; Legislative appropriation
58	City of Laurel Hill	Highway 2 Waterline Relocation	Okaloosa	Conservation	-	2021	2021	\$542,190	N/A	TRIUMPH
59	City of Laurel Hill	Ludlum Road Waterline Loop	Okaloosa	Conservation	-	2019	2019	\$150,000	N/A	NWFWMD
60	City of Laurel Hill	Millside Road Waterline Loop	Okaloosa	Conservation	-	2024	2024	\$150,000	N/A	NWFWMD
61	City of Laurel Hill	Old Ebenezer Road WM Replacement	Okaloosa	Conservation	-	2020	2020	\$648,458	N/A	TRIUMPH
62	City of Laurel Hill	Steel Mill Creek WM Replacement	Okaloosa	Conservation	-	2022	2022	\$360,437	N/A	TRIUMPH
63	City of Laurel Hill	Thomas Road Waterline Loop	Okaloosa	Conservation	-	2023	2023	\$351,013	N/A	TRIUMPH
64	City of Laurel Hill	Well Maintenance	Okaloosa	Conservation	-	2020	2020	\$150,000	N/A	Appropriations
65	City of Mary Esther	Azalea Drive Neighborhood Distribution Upgrade	Okaloosa	Conservation	-	2023	2024	\$748,000	\$15,700	State Revolving Fund; utility revenues
66	City of Mary Esther	Lorraine Drive Neighborhood Distribution Upgrade	Okaloosa	Conservation	-	2021	2022	\$1,025,000	\$21,600	State Revolving Fund; utility revenues
67	City of Mary Esther	Mary Esther Drive Neighborhood Distribution Upgrade	Okaloosa	Conservation	-	2020	2021	\$1,285,000	\$27,100	State Revolving Fund; utility revenues
68	City of Mary Esther	Shrewsbury Road Neighborhood Distribution Upgrade	Okaloosa	Conservation	-	2022	2023	\$2,330,000	\$49,100	State Revolving Fund; utility revenues
69	City of Mary Esther	South of US 98 Mains Replacement	Okaloosa	Conservation	-	2024	2025	\$3,349,000	\$70,300	State Revolving Fund; utility revenues
70	City of Paxton	Water Line Replacement #1	Walton	Conservation	-	2030	2035	\$1,500,000	\$5,000	City of Paxton & Grants if available
71	City of Paxton	Water Line Replacement #2	Walton	Conservation	-	2030	2035	\$1,500,000	\$5,000	City of Paxton & Grants if available
72	City of Paxton	Water Line Replacement #3	Walton	Conservation	-	2035	2040	\$1,500,000	\$5,000	City of Paxton & Grants if available
73	City of Paxton	Water Line Replacement #4	Walton	Conservation	-	2035	2040	\$1,500,000	\$5,000	City of Paxton & Grants if available
74	City of Paxton	Water Line Replacement #5	Walton	Conservation	-	2035	2040	\$1,500,000	\$5,000	City of Paxton & Grants if available
75	Destin Water Users, Inc.	Cypress Street Watermain Upgrade	Okaloosa	Conservation	-	2021	2022	\$5,000		Impact and Capacity Fees
76	Destin Water Users, Inc.	Flow Meter Replacements	Okaloosa	Conservation	-	2019	2020	\$10,000		Impact and Capacity Fees
77	Destin Water Users, Inc.	Juniper Street Watermain Upgrade	Okaloosa	Conservation	-	2022	2023	\$5,000		Impact and Capacity Fees
78	Destin Water Users, Inc.	Pines Street Watermain Upgrade	Okaloosa	Conservation	-	2019	2020	\$10,000		Impact and Capacity Fees
79	Destin Water Users, Inc.	Seagull Lane Watermain Upgrades	Okaloosa	Conservation	-	2020	2021	\$5,000		Impact and Capacity Fees
80	Destin Water Users, Inc.	Watermain Upgrades	Okaloosa	Conservation	-	2019	2022	\$15,000		Impact and Capacity Fees
81	Inlet Beach Water System	Booster Station and Associated Improvements	Walton	Conservation	-	2020	2022	\$250,000	\$150,000	Operating Revenues
82	NAS Whiting	Replace Existing Aged System Upgrade	Santa Rosa	Conservation	-	2022	2024	\$10,000,000	N/A	Appropriations
83	OCWS	Advanced Metering Infrastructure (AMI) System Upgrades	Okaloosa	Conservation	-	2016	2020	\$13,900,000	N/A	OCWS CIP budget
84	OCWS	Public Information on Water Conservation	Okaloosa	Conservation	N/A	Ongoing	Ongoing	N/A	\$6,000	OCWS O&M budget
85	Regional Utilities	Dalton Subdivision Water Line Upgrades	Walton	Conservation	-	2022	2023	\$1,100,000		General Revenue
86	Regional Utilities	Old Seagrove Community Water Line Upgrades	Walton	Conservation	-	2020	2021	\$640,000		General Revenue
87	Regional Utilities	San Juan Area Water Line Upgrades	Walton	Conservation	-	2021	2022	\$410,000		General Revenue
88	Regional Utilities	Systemwide Water Meter Upgrade	Walton	Conservation	-	2018	2020	\$7,500,000		General Revenue
TOTALS					36.964			\$ 190,727,098		

Appendix B. Final Order of the NFWWMD Governing Board

(placeholder)

BEFORE THE GOVERNING BOARD OF THE
NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT

Order No.: _____

IN THE MATTER OF:

Approval of the 2019
Region II Regional Water
Supply Plan

**FINAL ORDER APPROVING THE
2019 REGIONAL WATER SUPPLY PLAN FOR REGION II**

The Governing Board of the Northwest Florida Water Management District (District), after considering recommendations of District staff and being fully apprised of the matter, issues this Final Order pursuant to sections 373.036, 373.083, and 373.709, Florida Statutes (F.S.), based on the following Findings of Fact and Conclusions of Law.

FINDINGS OF FACT

1. Region II is one of seven water supply planning regions in the Northwest Florida Water Management District. Region II covers approximately 3,495 square miles and encompasses the entirety of Okaloosa, Santa Rosa, and Walton counties.
2. The traditional water supply source in Region II is groundwater. Primary resources are the Upper Floridan aquifer over most of the region, and the sand-and-gravel aquifer in central and northern portions of Santa Rosa County. In coastal portions of Region II, where population and development have been concentrated and continue growing, withdrawals from the Floridan aquifer resulted in water resource issues and concerns, including a drawdown in Floridan aquifer levels, water quality impacts, an ongoing risk of saltwater intrusion, and uncertainty regarding movement of the saltwater interface.

3. Remedial measures in coastal portions of Region II began in the 1980s with the Declaration of a Water Resource Caution Area, associated regulatory criteria, and water resource management planning.
4. The District's first Water Supply Assessment (WSA) in 1998 determined the need for a Region II Regional Water Supply Plan (RWSP). The District's Governing Board approved the first Region II RWSP in 2000 and, following subsequent WSAs in 2003 and 2008, approved RWSP updates in 2006 and 2012.
5. A major initiative during the 2000-2010 decade was the development of inland regional wellfields which now provide water supply for coastal communities and reduce reliance on coastal withdrawals in all three counties of Region II.
6. In former decades, the Floridan aquifer potentiometric surface lost as much as 185 feet of head pressure along the coast. In 2000, it was still 135 feet below sea level. Aquifer levels have since markedly improved; however, a significant cone of depression remains centered on the Okaloosa County coastal communities of Fort Walton Beach and Mary Esther. Potentiometric surface drawdown extends north to the Yellow River in Santa Rosa County, to areas north of Niceville and Valparaiso in Okaloosa County, and east of Destin into Walton County. Also, growth in and near the cities of Milton and Crestview and withdrawals northeast of Freeport have drawn down and flattened the potentiometric surface in those areas.
7. The 2018 WSA evaluated Region II water resources and related natural systems with 2015 base year water use estimates and future demand projections to the year 2040. The 2018 WSA determined that existing sources of water were not adequate and recommended continued implementation of the Region II RWSP.

8. With completion of the 2018 WSA, in December 2018 the Governing Board approved the staff recommendation to continue regional water supply planning for Region II. The purpose of this effort is to update the Region II RWSP to meet the water supply needs of all existing and future reasonable-beneficial uses and to sustain water resources and related natural systems requirements of Chapter 373, F.S., through the planning horizon to 2040.
9. Development of the 2019 Region II RWSP occurred in an open process actively seeking input from the public; local planning officials; water, wastewater, and reuse utilities; the Florida Department of Environmental Protection; the Florida Department of Agriculture and Consumer Services; and other affected and interested parties. This process began during development of the 2018 WSA when utilities and other self-suppliers were asked to respond to an outreach survey early in 2017. Draft WSA results, including technical data and modeling tools, were presented in public workshops in July 2018.
10. A public Informational Meeting on the 2019 Region II RWSP was held in Fort Walton Beach in January 2019. Thereafter, the RWSP planning team conducted outreach to public supply utilities and other self-suppliers to develop a list of water supply development project options. The RWSP report includes these water supply development project options, water resource development projects, and a list of potential funding opportunities. In September 2019, workshop information and a Draft 2019 Region II RWSP were disseminated.
11. Two public workshops were held in DeFuniak Springs on October 3, 2019, to provide opportunities for participants to ask questions and provide comments and recommendations. A public comment period remained open through October 30, 2019.
12. Region II water resource development projects include minimum flows and minimum water levels (MFL) technical assessments; groundwater evaluations; hydrologic data collection and

monitoring; coordination and technical support for reuse, water conservation, and aquifer storage and recovery (ASR) projects; and water use data, analyses, resource planning, and assessments. Water supply development project options include surface water development, reuse of reclaimed water, water conservation, and storage capacity and distribution system improvements.

13. The 2019 Region II RWSP is not a self-executing document. Implementation of the plan will occur through future Governing Board actions, including contracts, research, budgetary appropriations, cost-sharing arrangements, permitting, local agreements, intergovernmental coordination, and planning efforts. When such final decisions are made, affected persons will be offered appropriate public input opportunities and rights.
14. The 2019 Region II RWSP, Program Development Series 19-02, is attached to this Order as Exhibit A.
15. The 2019 Region II RWSP may be updated as appropriate in light of new technical information and analysis. Such updates may be due to the findings of MFL technical assessments and any required recovery or prevention strategies, or future water supply assessments, and are required to occur at no longer than five-year intervals.

CONCLUSIONS OF LAW

16. The governing boards of water management districts are authorized to undertake regional water supply planning under section 373.709, F.S. (2019). This includes the updating of existing plans, such as the Region II RWSP.
17. Section 373.709, F.S., establishes a framework for RWSP scope, analysis, implementation, and process. Each RWSP must be based on at least a 20-year planning period. Governing

boards shall reevaluate the determination of the need for regional water supply planning at least once every 5 years.

18. The Florida Department of Environmental Protection (DEP) requires water management districts to include intermediate water use projections for every five-year interval. See Rule 62-40.531(1)(a), F.A.C. Water use estimates and projections shall be provided in each RWSP for six use classes. See Rule 62-40.531(1)(b), F.A.C.
19. Water resource development projects and water supply development project options must be included in RWSPs. See Section 373.709(2), F.S. (2019).
20. The Governing Board concludes that the Region II RWSP 2019 Update meets the requirements of Section 373.709, F.S., and Rule 62-40.531, F.A.C.
21. Section 373.709(5), F.S., establishes the opportunity for administrative review of District approval of an RWSP. This provision states:

Governing board approval of a regional water supply plan shall not be subject to the rulemaking requirements of Chapter 120. However, any portion of an approved regional water supply plan which affects the substantial interests of a party shall be subject to s. 120.569.
22. Section 120.569, F.S., details the legal provisions that apply in all proceedings in which the substantial interests of a party are determined by an agency. The Notice of Rights describes the potential remedies which may exist and is attached hereto as Exhibit B.
23. The Notice of Rights shall not cover actions taken by the Governing Board in the future to implement the 2019 Region II RWSP. When implementing action is taken, the Governing Board shall offer an appropriate point of entry to substantially affected parties.

24. The 2019 Region II RWSP may be updated or amended as new technical information and analysis becomes available. Such updates shall occur in accordance with section 373.709, F.S., at intervals no longer than five years from the date of entry of this order.
25. The Governing Board authorizes staff to make minor changes to the 2019 Region II RWSP in response to stakeholder comments submitted to staff, or scrivener edits, that do not alter the substance of the 2019 Region II RWSP.

ORDER

Based upon the foregoing Findings of Fact and Conclusions of Law, it is hereby

ORDERED:

26. The Region II RWSP 2019 Update is hereby approved in accordance with section 373.709, F.S.
27. District staff are authorized to make minor changes to the 2019 Region II RWSP that do not alter the substance of the 2019 Region II RWSP in response to stakeholder comments submitted to staff. Such changes must occur no later than 21 days after the December 12, 2019, Governing Board meeting.
28. District staff are instructed to distribute notice of this Order by certified mail, regular mail, and/or electronic mail to persons who have participated in the plan development process and those entities identified as appropriate for implementing water supply development projects. Notice shall also be published in the Florida Administrative Register.

DONE AND SO ORDERED in Havana, Florida on this 12th day of December, 2019.

NORTHWEST FLORIDA WATER
MANAGEMENT DISTRICT
By its Governing Board

George Roberts
Chair

Attest:

Legal Form Approved:

Brett J. Cyphers
Executive Director and Acting Secretary
December 12, 2019

J. Breck Brannen, Esq.

Filed on this date, pursuant to Section 120.52, F.S., with the designated District agency clerk,
receipt of which is hereby acknowledged.

Clerk

Date



Brett J. Cyphers
Executive Director

Northwest Florida Water Management District

81 Water Management Drive, Havana, Florida 32333-4712
(U.S. Highway 90, 10 miles west of Tallahassee)

Phone: (850) 539-5999 • Fax: (850) 539-2777

NOTICE OF RIGHTS

Northwest Florida Water Management District

81 Water Management Drive, Havana, FL 32333-4712

(850) 539-5999 Fax (850) 539-2693

www.nwfwater.com

December 16, 2019

The following information addresses procedures to be followed if you desire an administrative hearing or other review of agency action.

In its December 12, 2019 regular meeting, the Governing Board of the Northwest Florida Water Management District approved the Region II Regional Water Supply Plan (RWSP), pursuant to Section 373.709, Florida Statutes (F.S.). This plan covers Okaloosa, Santa Rosa, and Walton counties.

APPROVAL OF THE REGION II REGIONAL WATER SUPPLY PLAN

Any person whose substantial interests are or may be affected by the action described may petition for an administrative hearing in accordance with the requirements of Section [28-106.201](#), Florida Administrative Code, or may choose to pursue mediation as an alternative remedy under Section [120.573](#), F.S., before the deadline for filing a petition. Pursuit of mediation will not adversely affect the right to administrative proceedings in the event mediation does not result in a settlement. Petitions for an administrative hearing must be filed with the Agency Clerk of the Northwest Florida Water Management District, 81 Water Management Drive, Havana, Florida 32333-4712, by no later than 21 days after the publication date of this notice. Failure to file a petition within this time period shall constitute a waiver of any rights such person may have to request an administrative determination (hearing) under sections [120.569](#) and [120.57](#), F. S. Petitions which are not filed in accordance with the above provisions are subject to dismissal.

DISTRICT COURT OF APPEAL

A party who is adversely affected by final agency action and who has exhausted available administrative remedies is entitled to judicial review in the District Court of Appeal pursuant to Section [120.68](#), F.S. Review under Section 120.68, F.S., is initiated by filing a Notice of Appeal in the appropriate District Court of Appeal in accordance with Florida Rule of Appellate Procedure [9.110](#).

GEORGE ROBERTS
Chair
Panama City

JERRY PATE
Vice Chair
Pensacola

JON COSTELLO
Tallahassee

TED EVERETT
Chipley

BO SPRING
Port St. Joe

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
PUBLIC HEARING FOR REGULATORY MATTERS
A G E N D A

District Headquarters
81 Water Management Drive
Havana, Florida 32333
10 Miles West of Tallahassee
U.S. Highway 90

Thursday
December 12, 2019
1:05 p.m., ET

Note: Appeal from any NFWFMD Final Agency Action requires a record of the proceedings. Although Governing Board meetings are normally recorded, affected persons are advised that it may be necessary for them to ensure that a verbatim record of the proceedings is made, including the testimony and evidence upon which the appeal is to be based. Persons with disabilities or handicaps who need assistance or reasonable accommodation in order to participate in these meetings should contact the District at least 72 hours in advance of these meetings to make appropriate arrangements.

PART I — CONSENT AGENDA

• WATER USE PERMITS

A. Permit Modification

A-1 Applicant: Southern Cattle Company
App. No.: 2B-063-6841-4
Use: Agricultural

Authorization Statement: This Permit authorizes the Permittee to make a combined average annual withdrawal of 1.326 million gallons per day annual average (133.416 million gallons per month maximum) of groundwater from the Floridan aquifer for agricultural use.

Duration Recommended: Same as Original Permit, August 1, 2037
Staff Recommendation: Approval
Public Comment Received: No

WATER USE TECHNICAL STAFF REPORT
12-November-2019
Application No.: 2B-063-6841-4

Owner: John Downs
Southern Cattle Company
4226 Highway 231 North
Marianna, FL 32446
(850) 352-2020

Applicant: John Downs
Southern Cattle Company
4226 Highway 231 North
Marianna, FL 32446
(850) 352-2020

Agent: Justin Strickland
E.P.I.C., LLC
305 Honeysuckle Drive
Havana, FL 32333
(850) 509-9472

**Compliance
Contact:** Justin Strickland
E.P.I.C., LLC
305 Honeysuckle Drive
Havana, FL 32333
(850) 509-9472

Project Name: Southern Cattle Company
County: Jackson
WRCA: N/A
ARC: N/A
Objectors: No

This Permit authorizes the Permittee to make a combined average annual withdrawal of 1.326 million gallons per day annual average (133.416 million gallons per month maximum) of groundwater from the Floridan aquifer for agricultural use.

Recommendation: Approval

Reviewers: Craig Freeman

RECOMMENDED PERMIT DURATION AND COMPLIANCE REPORTING:

Staff recommends the permit expiration date remain August 1, 2037. The Permittee is required to submit and comply with all information and data pursuant to the conditions set forth in the permit.

WITHDRAWAL INFORMATION:

Water Use	Permitted	Requested	Recommended
Average Day (GPD)	970,000	1,326,000	1,326,000
Maximum Month (GAL)	112,400,000	133,416,000	133,416,000

DESCRIPTION:

Southern Cattle Company (SCC) requests modification of Individual Water Use Permit (IWUP) No. 2B-063-6841-3 for the construction of 4 additional Floridan aquifer wells to the previously authorized 3 proposed Floridan aquifer wells, the addition of approximately 397 irrigated acres, and authorization of an increase in groundwater withdrawals from the Floridan aquifer for agricultural uses.

SCC withdraws groundwater from the Floridan aquifer for the irrigation of cultivated crops, grazing pasture, and livestock watering demands. The applicant's consultant used the Agricultural Field Scale Irrigation Requirements Simulation (AFSIRS) to determine the irrigation demand associated with 165 acres of field corn and 1,462 acres of pasture for livestock grazing as well as the watering demand of 3,000 head of beef cattle, which is an increase from the previously permitted irrigation estimates of 1,230 acres. Staff recommends authorization of AFSIRS derived amounts and the quantities allocated for the beef cattle.

Three-dimensional groundwater modeling was performed by the applicant to evaluate impacts to the Floridan aquifer and Baltzell Springs associated with the applicant's requested withdrawal amounts. The modeling code used by the applicant is MODFLOW, which is a groundwater modeling code developed by the USGS. The modeling code used the finite difference method to solve the groundwater flow equation. The groundwater flow model was calibrated by the USGS to the Floridan aquifer head and flow field using targets derived from the USGS National Water Information System.

The calibrated transient model was used to perform a series of simulations to predict the drawdown and captured spring flow associated with the applicant's requested average daily withdrawal and compressed seasonal withdrawal. For the scenario using the requested average daily withdrawals over the requested 20-year permit duration, drawdowns of 0.2 feet were simulated in the Floridan aquifer at the applicant's property boundary, while baseflow to Baltzell Springs was reduced by 4.6%. An additional transient scenario simulating compressed seasonal conditions, which generally occurs in May of each year during the period of most intense irrigation, resulted in drawdowns of 0.7 feet at the applicant's property boundary, and a baseflow reduction to Baltzell Spring of 11.1% during the May 2029 simulation.

The requested withdrawal amounts are not anticipated to interfere with existing legal water uses. However, the applicant will be required to implement a hydrologic monitoring program to assure the conditions for permit issuance are met for the requested permit duration.

Upon discussion with the applicant's consultant, monitor well SCC MON #1 will be constructed in Section 15 or 16, Township 5 North, Range 10 West to monitor groundwater levels of the Floridan aquifer. SCC MON #1 will be constructed to the specifications listed in the table below. Commencement of the groundwater monitoring program is required before withdrawals from proposed wells occur.

PERMIT APPLICATION REVIEW:

Section 373.223, Florida Statutes (F.S.), and section 40A-2.301, Florida Administrative Code (F.A.C.), require an applicant to establish that the proposed use of water:

- (a) Is a reasonable-beneficial use;
- (b) Will not interfere with any presently existing legal use of water; and,
- (c) Is consistent with the public interest.

In addition, the above requirements are detailed further in the District's Water Use Permit Applicant's Handbook. District staff have reviewed the water use permit application pursuant to the above-described requirements and have determined that the application meets the conditions for issuance of this permit.

RECOMMENDATION:

It is the determination of the staff that the water use amounts recommended, as conditioned, are reasonable-beneficial, consistent with the public's interest, and will not interfere with any presently existing legal use of water. This determination has been made according to provisions of Chapter 373, F.S., and Chapter 40A-2, F.A.C.

Staff recommends that the applicant be granted an Individual Water Use Permit for an annual average daily withdrawal of 1.326 million gallons; and a maximum monthly withdrawal of 133.416 million gallons. Staff also recommends that the expiration date of the permit remain August 1, 2037, and that the permit be conditioned as per the "Conditions for Issuance" included in Exhibit A of the permit document.

WELL INFORMATION:

Site Name: Southern Cattle Company

Well Details								
District ID	Station Name	Casing Diameter (inches)	Casing Depth (feet)	Total Depth (feet)	Capacity (GPM)	Source Name	Status	Use Type
13592	SC #1	12	50	181	1000	Floridan Aquifer (Undiff)	Active	Agricultural
13593	SC #2	12	55	280	1000	Floridan Aquifer (Undiff)	Active	Agricultural
13594	LI #7	4	100	200	50	Floridan Aquifer (Undiff)	Active	Agricultural
13595	LI #8	4	42	150	50	Floridan Aquifer (Undiff)	Active	Agricultural
13897	TD #2	12	58	150	1000	Floridan Aquifer (Undiff)	Active	Agricultural
13898	TD #3	10	80	180	750	Floridan Aquifer (Undiff)	Active	Agricultural

Well Details								
District ID	Station Name	Casing Diameter (inches)	Casing Depth (feet)	Total Depth (feet)	Capacity (GPM)	Source Name	Status	Use Type
13899	WOD #1	14	55	200	1250	Floridan Aquifer (Undiff)	Active	Agricultural
13900	CP #1	10	Unknown	Unknown	750	Floridan Aquifer (Undiff)	Active	Agricultural
13901	LI #1	4	Unknown	Unknown	50	Floridan Aquifer (Undiff)	Active	Agricultural
13902	LI #2	4	Unknown	Unknown	50	Floridan Aquifer (Undiff)	Active	Agricultural
13903	LI #3	4	57	120	200	Floridan Aquifer (Undiff)	Active	Agricultural
14033	LI #4	4	Unknown	Unknown	50	Floridan Aquifer (Undiff)	Active	Agricultural
14276	LI #5	5	Unknown	Unknown	50	Floridan Aquifer (Undiff)	Active	Agricultural
14277	LI #6	4	Unknown	Unknown	50	Floridan Aquifer (Undiff)	Active	Agricultural
14336	LI #9	4	70	95	30	Floridan Aquifer (Undiff)	Active	Agricultural
14337	LI #10	4	100	200	50	Floridan Aquifer (Undiff)	Proposed	Agricultural
14338	LI #11	4	100	200	50	Floridan Aquifer (Undiff)	Proposed	Agricultural
14339	LI #12	4	100	200	50	Floridan Aquifer (Undiff)	Proposed	Agricultural
288491	SC #3	10	80	180	1000	Floridan Aquifer (Undiff)	Proposed	Agricultural
288492	SC #4	12	55	200	1000	Floridan Aquifer (Undiff)	Proposed	Agricultural
288493	SC #5	12	55	200	1000	Floridan Aquifer (Undiff)	Proposed	Agricultural

Well Details								
District ID	Station Name	Casing Diameter (inches)	Casing Depth (feet)	Total Depth (feet)	Capacity (GPM)	Source Name	Status	Use Type
288494	SC #6	10	55	200	800	Floridan Aquifer (Undiff)	Proposed	Agricultural

Monitoring Well Details						
District ID	Station Name	Casing Diameter (inches)	Casing Depth (feet)	Total Depth (feet)	Source Name	Status
288495	SCC MON #1	4	50	200	Floridan Aquifer (Undiff)	Proposed

"EXHIBIT A"
CONDITIONS FOR ISSUANCE OF PERMIT NUMBER 2B-063-6841-4
Southern Cattle Company

Specific Conditions

1. This Permit authorizes the Permittee to make a combined average annual withdrawal of 1.326 million gallons per day (133.416 million gallons per month maximum) of groundwater from the Floridan aquifer for agricultural use. The individual facilities authorized to make this combined withdrawal are shown in the table below in the following condition. The total combined amounts of water withdrawn by all facilities listed shall not exceed the amounts identified above.

2.

Facility ID #	FLUWID	Location SEC,TWN,RNG
SC #3	-	Sec.15, T5N, R10W
SC #4	-	Sec.23, T5N, R10W
SC #5	-	Sec.15, T5N, R10W
SC #6	-	Sec.9, T5N, R10W
CP #1	-	Sec.23,T5N,R10W
LI #1	-	Sec.2,T5N,R10W
LI #2	-	Sec.2,T5N,R10W
LI #3	AAL8399	Sec.9,T5N,R10W
LI #4	-	Sec.9,T5N,R10W
LI #5	-	Sec.9,T5N,R10W
LI #6	-	Sec.10,T5N,R10W
LI #7	-	Sec.4,T5N,R10W
LI #8	AAN1765	Sec.10,T5N,R10W
LI #9	AAM6085	Sec.15,T5N,R10W
LI #10	-	Sec.15,T5N,R10W
LI #11	-	Sec.15,T5N,R10W
LI #12	-	Sec.23,T5N,R10W
SC #1	AAL8121	Sec.09,T5N,R10W
SC #2	AAL8120	Sec.10,T5N,R10W
TD #2	AAD3630	Sec.10,T5N,R10W
TTD #3	AAD3629	Sec.10,T5N,R10W
WOD #1	AAG8831	Sec.2,T5N,R10W

3. The Permittee shall include the Individual Water Use Permit number and the well's Florida Unique Identification Number (e.g. AAL8121 for SC #1) when submitting reports or otherwise corresponding with the District.
4. The Permittee, by January 31 of each year, shall submit a water use report for the previous calendar year (January – December), even if no water is used. The Permittee shall record the data required on Water Use/Pumpage Report Form (Form 166) for all facilities listed in the table of Condition #3. The Permittee, if preferred, may submit the report electronically by downloading the correct form from the District website, filling it out properly, and e-mailing it to compliance@nwfwater.com.
5. The Permittee shall install and maintain in-line, totalizing flow meters on the following production wells (AAL8120, AAL8121, AAD3629, AAD3630, and AAG8831) and all newly constructed proposed wells (LI #10, LI #11, and LI #12, SC #3, SC #4, SC #5, and SC #6). The meters shall be maintained to be at least 95% accurate and any meter determined defective must be replaced within 30 days of its discovery. The Permittee, within 30 days of well completion or completion of project construction, shall provide documentation to the District that the required flow meters have been installed and report the initial meter readings.
6. The Permittee, by October 31, in 2022, 2027, 2032 and at the time of requesting a permit modification or renewal, shall submit documentation of the flow meter calibration and accuracy rating to the District using the Flow Meter Accuracy Report Form (Form 170). The Permittee, if preferred, may submit the report electronically by downloading the correct form from the District website, filling it out properly, and e-mailing it to compliance@nwfwater.com.
7. The Permittee, by January 31 of each year, shall submit a status report using Form 168, Annual Crop Summary Report Form. The report shall include: Type and acreage of crop(s) planted and irrigated; Type(s) of irrigation system(s); and the number of livestock being watered.
8. The Permittee, by October 31, 2022, 2027, and 2032 shall provide a description of water conservation and efficiency measures currently implemented or planned to be implemented during the permit duration to minimize groundwater and surface water withdrawals. Measures may include, but are not limited to: Irrigation system evaluation using the Mobile Irrigation Lab (MIL); Irrigation systems upgrades to improve efficiency; improvements to the operation and management of irrigation systems; enhancing reuse and recycling; limiting irrigation to early morning or evening hours to minimize evaporative losses; and other Best Management Practices.
9. The Permittee shall construct monitor well SCC MON #1 in Section 15 or 16, Township 5 North, Range 10 West and commence the groundwater monitoring program prior to groundwater withdrawals from proposed wells SC #3-SC #6. SCC MON #1 shall be constructed to the proposed specifications listed in condition 11.
10. The Permittee shall submit to the District in a single electronic submittal the following information by January 31, April 30, July 31 and October 31 of each year:

Static water level measurements for Floridan aquifer monitor well (SCC MON #1) conducted during the first two weeks of January, April, July, and October. The Permittee shall perform the manual water level measurements with a tape, graduated in 0.01-foot increments. The Permittee shall report the reading as depth-to-water below a pre-defined measuring point to 0.01-foot precision. If the measuring point elevation is different from land surface, the Permittee shall provide the

difference between these two elevations. The Permittee shall include, at a minimum, the difference in height between the measuring point and land surface, the date and time the measurement was taken, and the water level measurement.

Groundwater Monitoring Station:

Well ID	General Location	Casing Diameter	Casing Depth	Total Depth
SCC MON #1	Sec.15 or 16, T5N, R10W	4	50	200

11. The Permittee shall annually evaluate the efficiency of each of its irrigation units and undertake necessary maintenance, repairs and upgrades to provide for the proper efficiency of its equipment. The Permittee shall maintain the irrigation system to prevent wasteful runoff from the property associated with irrigation.
12. The Permittee shall equip the well and irrigation system with an anti-siphoning device if chemicals are to be applied through the irrigation system, as required by section 487.064, F.S.
13. The Permittee, prior to the construction, alteration and/or enhancement of any surface water withdrawal, diversion, or management system, shall contact the District to determine if a permit will be required. A permit would be required by the District for activities including creek sandbagging, sump excavation, and any maintenance beyond that considered routine or custodial.
14. The Permittee shall ensure that any new irrigation system(s) purchased is/are of an efficiency rating of 90% or greater.
15. The Permittee shall maximize the use of reclaimed water if it is available and its use is environmentally, economically and technically feasible.

Standard Conditions

16. All water uses authorized by this permit shall be implemented as conditioned by this permit, including any documents incorporated by reference in a permit condition. The District may revoke this permit, in whole or in part, or take enforcement action, pursuant to sections 373.136 or 373.243, F.S., unless a permit modification has been obtained to address the noncompliance.
17. The Permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.
18. This permit does not convey to the Permittee any property rights or privileges other than those specified herein, nor relieve the Permittee from complying with any applicable local government, state, or federal law, rule, or ordinance.
19. The Permittee shall notify the District in writing within 30 days of any sale, transfer, or conveyance of ownership or any other loss of permitted legal control of the Project and/or related facilities from which the permitted water use is made. Where Permittee's control of the land subject to the permit was demonstrated through a lease, the Permittee must either submit documentation showing that it continues to have legal control or transfer control of the permitted system/project to the new landowner or new lessee. All transfers of ownership are subject to the requirements of

section 40A-2.351, F.A.C. Alternatively, the Permittee may surrender the water use permit to the District, thereby relinquishing the right to conduct any activities under the permit.

20. Nothing in this permit should be construed to limit the authority of the District to declare a water shortage and issue orders pursuant to Chapter 373, F.S. In the event of a declared water shortage, the Permittee must adhere to the water shortage restrictions, as specified by the District. The Permittee is advised that during a water shortage, reports shall be submitted as required by District rule or order.
21. With advance notice to the Permittee, District staff with proper identification shall have permission to enter, inspect, observe, collect samples, and take measurements of permitted facilities to determine compliance with the permit conditions and permitted plans and specifications. The Permittee shall either accompany District staff onto the property or make provision for access onto the property.
22. The Permittee may seek modification of any term of an unexpired permit. The Permittee is advised that section 373.239, F.S., and section 40A-2.331, F.A.C., are applicable to permit modifications.
23. The District reserves the right to curtail permitted withdrawal and diversion rates if the withdrawal or diversion causes harm to legal uses of water, offsite land use, or water resources and associated environmental features that existed at the time of permit application.
24. The Permittee shall not cause harmful saltwater intrusion. The District reserves the right to curtail permitted withdrawal rates if withdrawals cause harmful saline water intrusion.
25. The Permittee's consumptive use of water as authorized by this permit shall not reduce a flow or level below any minimum flow or level established by the District or the Department of Environmental Protection pursuant to Sections 373.042 and 373.0421, F.S. If the Permittee's use of water causes or contributes to such a reduction, then the District shall revoke the permit, in whole or in part, unless the Permittee implements all provisions applicable to the Permittee's use in a District-approved recovery or prevention strategy.
26. The Permittee shall mitigate any harm caused by withdrawals or diversions permitted herein on legal uses, offsite land use, and water resources and associated environmental features which existed at the time of permit application. Mitigation may include modification of the Permittee's pumping schedule (i.e., duration, withdrawal rates, time of day, etc.), the lowering of the affected pump(s) or the replacement of the well(s) including proper plugging and abandonment of the well(s) that is replaced. The Permittee, upon receipt of an allegation of interference, shall retain the services of an appropriate licensed professional to investigate the alleged interference. The Permittee shall ensure their chosen professional investigates any alleged interference within 48 hours of the allegation being made and provides the conclusions of the investigation to the entity alleging the impact within 72 hours of the allegation being made. If it is determined that the use of a well has been impaired as a result of the Permittee's operation, the Permittee shall complete the required mitigation within 30 days. The Permittee shall be responsible for the payment of services rendered by the licensed professional. The Permittee, within 30 days of any allegation of interference, shall submit a report to the District including the date of the allegation, the name and contact information of the party making the allegation, the result of the investigation made, and any mitigation action undertaken.

MEMORANDUM

TO: Northwest Florida Water Management District Governing Board

FROM: J. Breck Brannen, General Counsel

RE: Legal Counsel Report

DATE: December 3, 2019

Carmen Diaz, Petitioner, vs. Northwest Florida Water Management District, and Palafox, LLC, Respondents, State of Florida Division of Administrative Hearings (DOAH), Case No. 19-5831

This is a challenge brought by Petitioner Diaz, a homeowner within the Tallahassee subdivision known as Palafox, to an environmental resource permit issued by the District to Palafox, LLC, whose principal is Gary Zins. The permit authorizes Palafox, LLC, to construct a surface water management system to serve an approximately 2.68-acre development (multi-family housing) at the intersection of Palafox Lane and Martin Hurst Road in Tallahassee.

The Petitioner alleges, primarily, that the development will violate District statutes and rules by causing increased amounts of stormwater/flooding on Petitioner's property. The District's position is that Palafox, LLC, has met the conditions for issuance of the permit and the engineering provided by Palafox, LLC, demonstrates that no such impacts to Petitioner's property will occur.

The Amended Petition was forwarded to the DOAH for assignment of an administrative law judge. DOAH initially assigned Judge Francine M. Ffolkes. Palafox, LLC, moved to intervene in the case, which was granted and Palafox, LLC, was added as a party respondent.

The Petitioner moved for recusal of Judge Ffolkes, which was denied, then Petitioner filed an amended motion for recusal of Judge Ffolkes, which was granted. The case was then assigned to Judge Suzanne Van Wyk. Judge Van Wyk has set the case for hearing on February 19 and 20, 2020, in Tallahassee, stating the issue to be heard as: "Whether Environmental Resource Permit No. IND-073-288406-1 should be issued as proposed in the notice issued by the Northwest Florida Water Management District."

After Judge Van Wyk issued her Notice of Hearing, the Petitioner moved for recusal of Judge Van Wyk, which was denied, then Petitioner filed an amended motion for recusal of Judge Van Wyk, which was also denied.

The District remains confident in its position and is vigorously defending its decision to issue the permit. The District has served substantial discovery requests on the Petitioner and the responses are due December 23, 2019. Palafox, LLC, is defending the permit, also. Palafox, LLC, has sued the Petitioner in Leon County Circuit Court for enforcement of a settlement agreement resulting from prior litigation between the Petitioner's homeowners association and Palafox, LLC, which if successful would prohibit the Petitioner from challenging the permit.