

Meeting Summary

DATE: August 3, 2011

FROM: Jerry M. Salsano

TO: Coquina Coast Representatives (via email only)

CC: Staff and Interested Parties (via email only)

SUBJ: Coquina Coast Seawater Desalination Alternative Water Supply Project Business Teleconference Summary, July 20, 2011

Purpose

Conduct business as required to accomplish the Coquina Coast Seawater Desalination Alternative Water Supply Project PDR. The meeting agenda is at Attachment 2.

Action Items

Person/Agency	ACTION ITEM(s)	Due/Status
SJRWMD	Seek STAG funds for Phase 2 of the project at this time, with the option to pursue funds for subsequent design or construction phases. Note: The STAG program was eliminated by Congress in the most recent funding measure that was signed into law in early CY 2011. SJRWMD will continue to pursue available grants as and when they become available.	Ongoing
Suppliers	Examine how conservation is treated on Supplier websites and consider increasing the prominence of that process.	Ongoing
Pirnie/Arcadis	Collect water quality samples during the bathymetry survey. <u>Water quality samples could not be collected during the bathymetry survey. Water quality samples will need to be collected during the Phase 2B WQ monitoring period.</u>	Complete
Pirnie/Arcadis	Assure timely review completion of draft Pilot Study Plan by FDEP.	Complete
Pirnie/Arcadis	Respond to Dr. Peter Anderson's question regarding effect on beach wells that presence, absence or variability of Coquina layer will have	ASAP
Partners	Review MOA to determine latitude for amending Phase 2A to accomplish desired goals	ASAP
Pirnie/Arcadis	Arrange on 8/11/11, 1:00 to 2:00 p.m. teleconference or NetMeeting for walk-through of the Public Meeting presentation	8/11/11
Partners	During review of Phase 2A Report, compare the original scope to the deliverable to assure that report adequately addresses that scope.	8/12/11
Suppliers	Evaluate Phase 2A scope and MOA – determine what, if any, additional work will be accomplished under Phase 2A and the transition period and how long the transition period will be.	7/13/11 8/17/11

Note: The author prepared this work product from notes taken during the meeting or teleconference. The work product is not intended to be verbatim text of the conversations, but a summary of the important points covered. If an addressee finds that an error in fact was made please contact the author and corrections will be made with a revised version circulated.

Person/Agency	ACTION ITEM(s)	Due/Status
SJRWMD	Provide at August 17, 2011, Public Meeting a recap and explanation of the wetland impacts that drive the need in Flagler County for AWS.	8/17/11
Pirnie/Arcadis/ Taurant/Palm Coast	Assure all invoicing for Phase 2A is final and submitted no later than the final date established by SJRWMD for end of FY funding. This date is presumed to be 10/15/11, but may change.	10/15/11
Partners/Pirnie /Arcadis	Assure Phase 2B includes sufficient hours for legal support relative to eligibility for existing nationwide permits and to evaluate Federal decisions in order to avoid significant unnecessary permitting costs.	TBD
Pirnie/Arcadis	Follow up with SJRWMD to determine CUP requirements to substantiate the need for water from this project.	TBD
Pirnie/Arcadis	During treatment plant site selection assure that proximity of highest ranked beach well site(s) is considered.	TDB
Pirnie/Arcadis/ SKM	Provide partners common operating pressure data on recent RO plants.	TBD
Suppliers	Consider Stan Niego (SJRWMD) suggestion that a strategy could be employed to take out options on multiple tracts early in the process to mitigate the potential for speculation. The MOA could be modified to allow such for the benefit of the Suppliers.	TBD
Suppliers	Take action as and when appropriate to publicly notice site options in order to minimize/avoid land speculation.	TBD

Welcome and Introductions

The teleconference started at 9:05. Richard Adams, Chairman, Palm Coast, welcomed the teleconference participants, shown at Attachment 1. He reminded everyone to use #6 to mute their line.

Public Comments—none.

Review Final Funding Implementation Plan Update Report

Scott Shannon, Pirnie/Arcadis, noted the review cycle and that the final report was published on June 29, 2011. The original plan developed in Phase 1 covered state and Federal funds sources. The Update Report noted the project size change resulting in lower capital costs and revisited state and Federal funding sources that are much less than before. There is recognition that the true costs won't be known until we get into the final design phases but the goal should be to keep those sources in mind and continue to pursue. Also, there was increased focus on public-private partnership options and the forms those options can take as a replacement or supplement to public-only execution. Chairman Adams noted that the document is final. The report recommendations are:

- Continue to pursue traditional sources of funding
 - Meet w/state and federal legislators/officials
 - Submit necessary documentation project “in line” for future funding
- Explore potential for Public-Private Partnership
 - Complex agreements
 - Significant learning curve

Review Final WQ Monitoring Plan

Ray Pribble, Janicki Environmental, covered this topic. He noted the objectives of the plan were to:

- Identify water quality constituents for intake monitoring, for both the pilot study and desalination facility
- Identify water quality constituents for effluent monitoring, for both the pilot study and desalination facility
- Provide a conceptual monitoring program design methodology for an intake and discharge

He noted that the final plan will be developed once intake and discharge locations are identified. Further he noted following elements of the Design Methodology

- Intake and discharge locations not yet identified
- Nearfield and farfield regions
- Monitoring plan specific to each region
- Expected that hydrodynamic modeling will aid in selection of locations, monitoring design
- Prior to operation, monitoring for establishment of baseline conditions at locations selected
- Consideration of Needs of Hydrodynamic Model Study for Monitoring Data – Velocity, Salinity, Temperature
- Of Prime Consideration is Optimization of Sampling Intensity (Spatial and Temporal) to:
 - Maximize the Information Gain per Sample
 - Maximize the Ability of the Sampling to Detect Changes
 - Minimize Costs

Chairman Adams again noted that this was a final plan summary and asked if there were additional comments or questions. There were none.

Review Draft Siting Letter Report

Sean Chaparro, Pirnie/Arcadis, noted that comments were due by July 15. He covered the process, including:

- Evaluation criteria development
- Weighting scenario development
 - Public meeting
 - Online Survey
 - 3/23 Business meeting
- Partner scoring of site areas
 - May 11th Partner meeting
- Sub-area selection from highest ranked sites

Mr. Chaparro noted that there were a total of eight weighting scenarios and that those were applied to each score that the partners provided. The larger group of potential areas was reduced based on those scores. He provided a series of maps that showed the original areas considered and the top five areas based on the scoring. The maps are shown in the presentation at Attachment 3. Within the five top site areas were identified 14 sub areas within which fatal flaws were absent. They were grouped to provide consistent attributes, such as utility cost, land value, etc., followed by an evaluation to determine per acre value ranges.

Chairman Adams asked for comments and noted that Palm Coast had reviewed with no comments.

Pilot Study Plan update

Mr. Chaparro noted that Pirnie/Arcadis had submitted a draft study plan to FDEP six weeks ago and expected comments from them two weeks ago. He contacted them last week and was told to expect their comments by 7/22/11. **ACTION ITEM**

He noted that the final version of the Pilot Study Plan will be distributed with the 2nd draft of the Phase 2A report.

Public Meeting Planning

Michelle Robinson, Dialogue, noted that the first public meeting advertisement ran this week and will continue to run according to the ad plan provided. Malcolm Pirnie is working on the welcome and schedule boards as well as the boards summarizing the siting process. There will also be boards on the bathymetry study and project status and they are generating a fact sheet on the siting process. Ms. Robinson noted the following topics/presenters:

- Ed Balchon, Pirnie/Arcadis—Opening Remarks
- Marc Minno, SJRWMD - “Assessment of Impacts to Wetlands and Surface Waters From Consumptive Uses in the Coquina Coast Project Area, Florida.”
- Rick Cowles – Pirnie/Arcadis– Preliminary Beach Well Investigation Results
- Scott Shannon, Pirnie/Arcadis—Facility Siting Efforts and looking ahead

Ms. Robinson asked that Mr. Minno be on the stage to field questions after the presentation.

The team discussed a walk-through of the presentations and decided to hold one on August 11, 2011 from 1:00 to 2:00 p.m. **ACTION ITEM.**

Chairman Adams reminded participants that August 17 is the last scheduled public meeting for Phase 2A and will provide a wrap up summary for this phase.

Update on Phase 2B Discussion

Chairman Adams noted the August 13 scope meeting and the discussion of how to proceed with the project. He noted that the partners will not be moving forward with any Phase 2B activities at this time. Demand projections have lessened the urgency of this project. The partners did discuss whether we should use existing encumbered funds to continue or complete additional work within phase 2A. The intent is to further discuss at the August 17 Business meeting.

Deliverables and schedule review

Mr. Chaparro presented the current schedule with deliverables and meetings as follows:

- Draft Pilot Study Plan comments from FDEP due– 6/6/11, expected 7/22/11
- Bathymetric Survey Results – 7/29/11
- Final Siting Letter Report – 7/29/11
- Draft 1 Phase 2A Report – 7/29/11
- Draft 1 Phase 2A Report comments due – 8/12/11
- Business and Public Meeting – 8/17/11
- Draft 2 Phase 2 A Report – 8/26/11
- Teleconference to review Draft 2 Phase 2A – 9/14/11
- Draft 2 Phase 2 A Report comments due – 9/16/11
- Final Phase 2A Report – 9/30/11

Chairman Adams noted that next Friday, July 29, 2011, will be the delivery of the first draft of the Phase 2A report. It is absolutely critical that we all provide comments by ~~9/128/12~~ as planned due to the hard deadlines associated with end-of fiscal year invoicing. He stressed the importance of Pirnie providing the final invoice as early as possible. **ACTION ITEM**

Chairman Adams also requested that, during their review, the team compare the original scope to the deliverable to assure that report addresses that scope. **ACTION ITEM**

Confirm next meeting(s) and agenda(s)

Next Business Meeting—Wednesday, August 17, 2011, 9:00 a.m., Palm Coast Recreation Center

<i>Plan for Public meeting (Pirnie)</i>	<i>10 Minutes</i>
<i>Pilot Plan Comments Discussion (Pirnie)</i>	<i>15 Minutes</i>
<i>Final Siting Report (Pirnie)</i>	<i>10 Minutes</i>
<i>Bathymetric Survey Results (Pirnie)</i>	<i>15 Minutes</i>
<i>Phase 2A Report Draft 1 discussion (Pirnie)</i>	<i>60 Minutes</i>
<i>Phase 2A and Transition discussion (Chair)</i>	<i>30 Minutes</i>
<i>(including MOA review and applicability)</i> ACTION ITEM	

Public Meeting—Wednesday, August 17, 2011, Whitney Laboratory at Marineland

<i>Open house</i>	<i>6:00-6:30 p.m.</i>
<i>Project update presentation/questions</i>	<i>6:30-8:30 p.m.</i>

Next Business Teleconference—Wednesday, September 14, 2011, 9:00 a.m.

<i>Review Draft 2 of Phase 2A Report</i>	<i>Duration TBD</i>
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Public comments—none.

Member Comments—none.

Adjourn Business Teleconference—9:45 a.m.

Attachments

1. Teleconference Participant List and Appointee Attendance List
2. Agenda
3. Consultant Slides (included in PDF Version meeting summary only)

Business Teleconference Attendance List			
Name	Affiliation	Name	Affiliation
Richard Adams	City of Palm Coast	Ludi Lelis	Orlando Sentinel
Jim Ailes	City of DeLand	John Mampe	Hammock CCC
Peter Anderson	Whitney Lab, UF	Brian Matthews	Palm Coast
Sean Chaparro	Malcolm Pirnie/Arcadis	Ray Pribble	Janicki Environmental
Terry Clark	SJRWMD (Staff Conn) Cardno ENTRIX	Michelle Robinson	Malcolm Pirnie-Dialogue
Frank Fernandez	News-Journal	Jerry Salsano	Taurant Consulting, Inc.
Glenn Forrest	SJRWMD	Scott Shannon	Malcolm Pirnie/Arcadis
Ed Garland	SJRWMD	Ray Sharp	City of Leesburg
Adam Hirt	West. Summit Const.	Janice Szufflita	Citizen
Dina Hutchens	SJRWMD	John Veasey	Weigel Veasey Appraiser
Ying Lee	Palm Coast (CPH)		

COQUINA COAST SEAWATER DESALINATION ALTERNATIVE WATER SUPPLY PROJECT																						
Phase 2A Business Meeting Appointee Attendance																						
Meeting (M) / Teleconference (T)	Phase 2A												Transition									
	T	M	T	M	T	M	T	M	M	T	M	T										
	11-Aug-10	8-Sep-10	20-Oct-10	8-Dec-10	19-Jan-11	23-Mar-11	20-Apr-11	11-May-11	8-Jun-11	20-Jul-11	17-Aug-11	14-Sep-11	TBD	TBD	TBD	TBD						
Suppliers																						
City of Leesburg	★	★	★	★	★	★	★	★	★	★	★	★										
City of Palm Coast	★	★	★	★	★	★	★	★	★	★												
Ex Officio Members																						
City of DeLand	★	★		★	★	★	★	★	x	★												
St. Johns County	★	★	★	★	★		★	★	★													
<table border="0"> <tr> <td>★</td> <td>Appointed member(s) present</td> </tr> <tr> <td></td> <td>Appointed member(s) not present</td> </tr> <tr> <td>x</td> <td>Appointed member(s) not present, with advance notice</td> </tr> </table>																	★	Appointed member(s) present		Appointed member(s) not present	x	Appointed member(s) not present, with advance notice
★	Appointed member(s) present																					
	Appointed member(s) not present																					
x	Appointed member(s) not present, with advance notice																					



Business Teleconference Agenda

Wednesday, July 20, 2011, 9:00 a.m. – 11:25 a.m.

This is a TELECONFERENCE only. No meeting venue will be used. To participate dial: 888-808-6959 and enter conference code: 8095331. To assure your attendance is noted please state your name followed by the # sign when prompted.

<u>ITEM</u>	<u>LEAD</u>	<u>START</u>
• Welcome and Introductions	Chair	9:00
• Public Comments	Chair	9:05
• Review Final Funding Implementation Plan Update Report	Pirnie	9:10
• Review Final WQ Monitoring Plan	Pirnie	9:25
• Review Draft Siting Letter Report	Pirnie	9:40
• Pilot Study Plan update	Pirnie	9:55
• Public Meeting Planning	Dialogue	10:10
• Update on Phase 2B Discussion	Chair	10:55
• Confirm agenda for next meeting(s)/next tasks	Chair	11:10
• Public Comments	Chair	11:15
• Member Comments	Chair	11:20
• Adjourn Business Meeting.....	Chair	11:25



Coquina Coast
seawater desalination project

Final Funding Implementation Plan Update Report Overview

Coquina Coast Seawater Desalination Project

Business Teleconference

July 20, 2011

Funding Plan Update Overview

- ◆ Final report submitted June 27, 2011
- ◆ Update to November 2009 Funding Initiative Plan
 - ◆ Reduction in Project size
 - ◆ Decreased availability of funding since FIP
- ◆ Projected capital costs
- ◆ Need to continue pursuing funding assistance
 - ◆ Lead time for design, permitting, construction
 - ◆ Positioned for future fund availability
- ◆ Reviewed current status of State & Federal funding sources
- ◆ Public-Private Partnerships



FIP Update Recommendations:

- Continue to pursue traditional sources of funding
 - Meet w/state and federal legislators/officials
 - Submit necessary documentation → project “in line” for future funding
- Explore potential for Public-Private Partnership
 - Complex agreements
 - Significant learning curve



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Final WQ Monitoring Plan Overview

Coquina Coast Seawater Desalination Project
Business Teleconference
July 20, 2011

WQ Monitoring Plan Review

- ◆ Final WQ Monitoring Plan submitted July 1, 2011
- ◆ Objectives of Plan
 - ◆ Identify Water Quality Constituents for Intake Monitoring, Both Pilot Study and Desalination Facility
 - ◆ Identify Water Quality Constituents for Effluent Monitoring, Both Pilot Study and Desalination Facility
 - ◆ Provide Monitoring Program Design Methodology for Environments of Intake and Discharge

WQ Monitoring Plan Review

- ◆ Design Methodology
 - ◆ Intake and Discharge Locations Not Yet Identified
 - ◆ Nearfield and Farfield Regions
 - ◆ Monitoring Plan Specific to Each Region
 - ◆ Expected that Hydrodynamic Modeling will Aid in Selection of Locations, Monitoring Design
 - ◆ Prior to Operation, Monitoring for Establishment of Baseline Conditions at Locations Selected
 - ◆ Consideration of Needs of Hydrodynamic Model Study for Monitoring Data – Velocity, Salinity, Temperature

WQ Monitoring Plan Review

💧 Design Methodology

- 💧 Of Prime Consideration is Optimization of Sampling Intensity (Spatial and Temporal) to
 - Maximize the Information Gain per Sample
 - Maximize the Ability of the Sampling to Detect Changes
 - Minimize Costs



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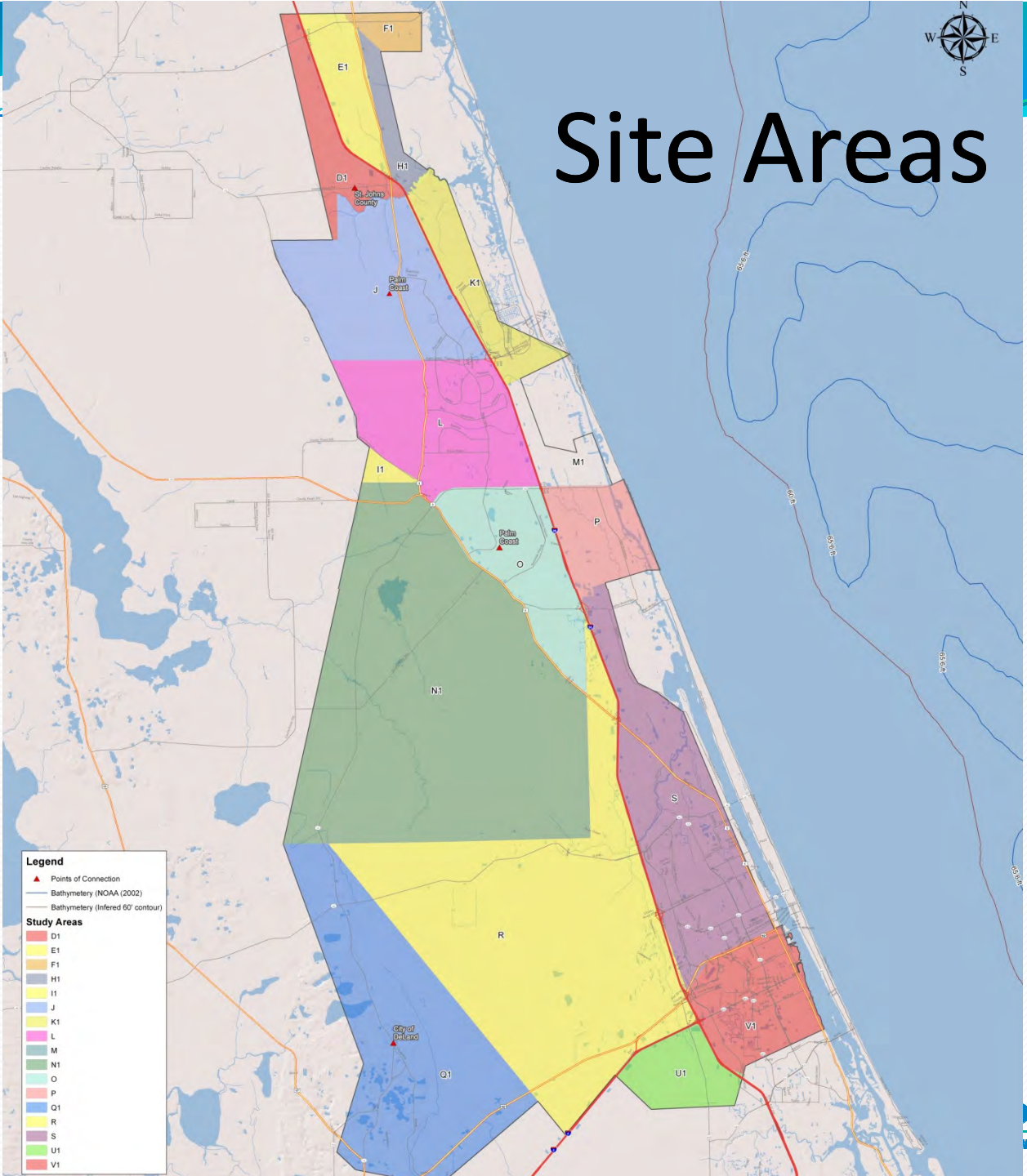
Draft Siting Evaluation Report Review

Coquina Coast Seawater Desalination Project
Business Teleconference
July 20, 2011

Siting Evaluation Process

- Evaluation criteria development
- Weighting scenario development
 - Public meeting
 - Online Survey
 - 3/23 Business meeting
- Partner scoring of site areas
 - May 11th Partner meeting
- Sub-area selection from highest ranked sites

Site Areas



Legend

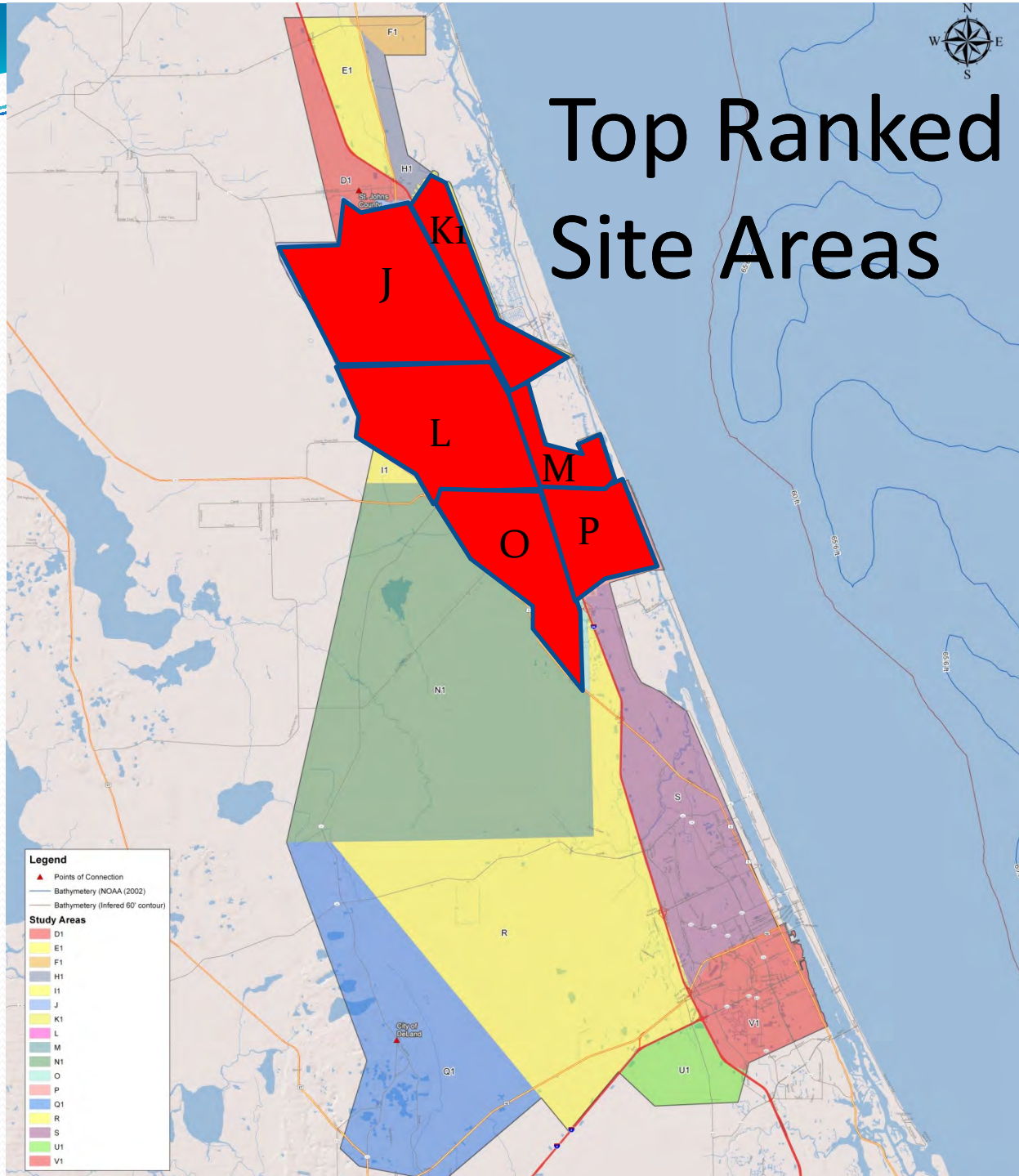
- ▲ Points of Connection
- Bathymetry (NOAA (2002))
- Bathymetry (Inferred 60' contour)

Study Areas

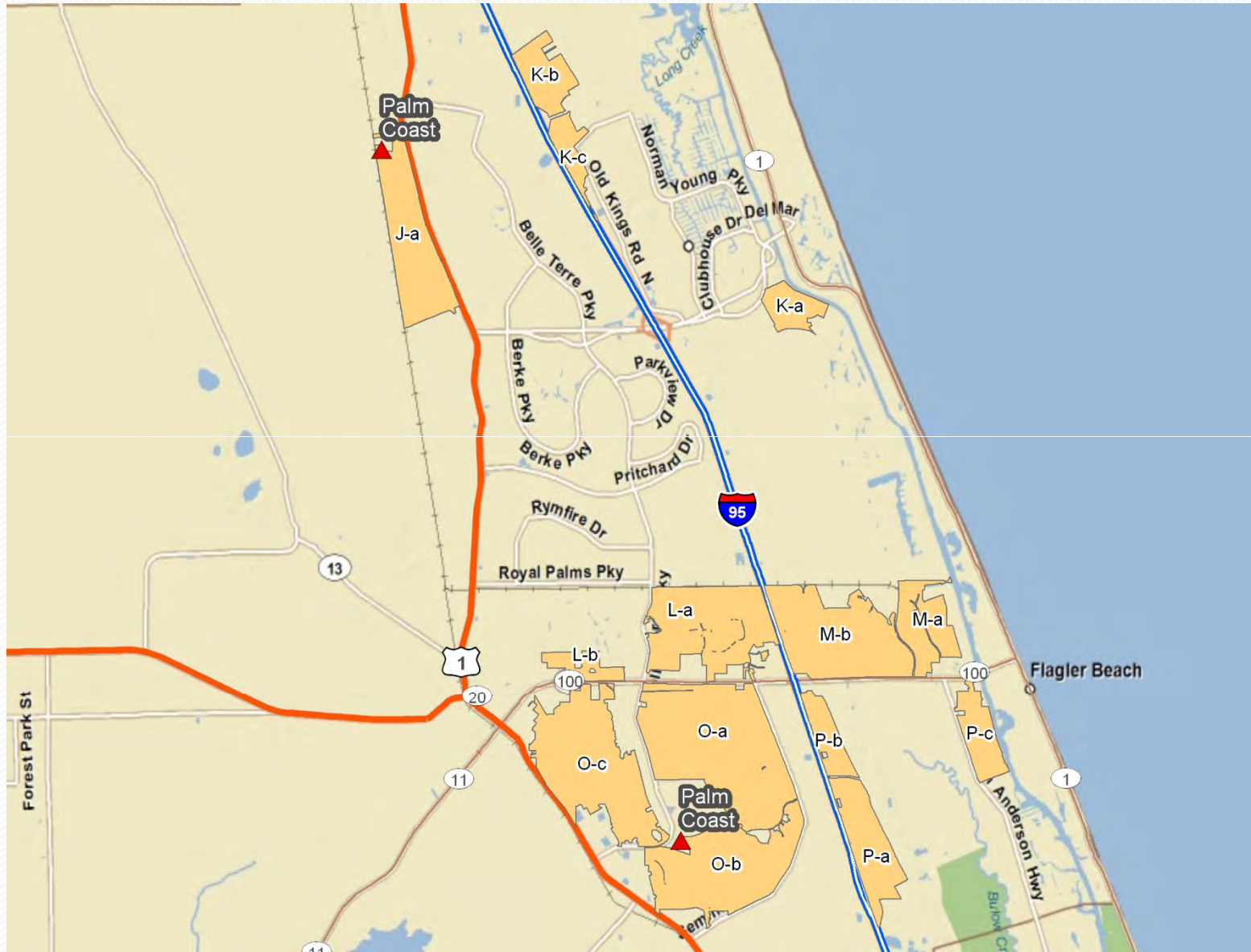
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- S
- U1
- V1

Coquina Coast
water desalination project

Top Ranked Site Areas



Selected Site-subareas



Selection of Site Sub-Areas

- ◆ Sub-area selection:
 - ◆ Excluded highly populated areas, environmentally sensitive areas, habitats/wetlands, parks, forests.
 - ◆ Sub-area boundaries defined to have parcels with similar land use, unit costs (\$/acre), and intake/ discharge/ power costs
- ◆ Real estate expert site sub-areas review
 - ◆ Identify general acquisition costs (\$/acre)
 - ◆ Identify considerations and potential issues with parcel purchase in each sub-area



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Pilot Study Plan Update

Coquina Coast Seawater Desalination Project

Business Teleconference

July 20, 2011



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Public Meeting Planning

Coquina Coast Seawater Desalination Project

Business Teleconference

July 20, 2011



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Update on Phase 2B Discussion

Coquina Coast Seawater Desalination Project
Business Teleconference
July 20, 2011



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Deliverables and Schedule Review

Coquina Coast Seawater Desalination Project
Business Meeting
June 8, 2011

Upcoming Project Activity

- 💧 Draft Pilot Study Plan comments from FDEP due– 6/6/11
- 💧 Bathymetric Survey Results – 7/29/11
- 💧 Final Siting Letter Report – 7/29/11
- 💧 Draft 1 Phase 2A Report – 7/29/11
- 💧 Draft 1 Phase 2A Report comments due – 8/12/11
- 💧 Business and Public Meeting – 8/17/11
- 💧 Draft 2 Phase 2 A Report – 8/26/11
- 💧 Teleconference to review Draft 2 Phase 2A – 9/14/11
- 💧 Draft 2 Phase 2 A Report comments due – 9/16/11
- 💧 Final Phase 2A Report – 9/30/11