

New Jersey NATURAL LANDS TRUST AGENDA NATURAL LANDS TRUST MEETING June 5, 2015 Location: Office of Natural Lands Management 501 E. State Street, 5 Station Plaza 4th Floor Large Conference Room Trenton, NJ 12:00 PM

- I. Statement of Open Public Meetings Act
- II. General Public Comment
- III. Financial Report
 - -First Quarter 2015 Financial Reports, for decision
- IV. Minutes of April 16, 2015 meeting, for decision

V. Unfinished Business

-Petty's Island, Pennsauken Township, Camden County, status update (no enclosure)
-Delaware Bay Migratory Shorebird Fund Subcommittee Report (no enclosure)
-Black Meadows Preserve, Hanover Township, Morris County-Alcatel-Lucent Memorandum of Understanding, for decision
-Mystic Island Preserve, Little Egg Harbor Township, Ocean County- Restoration Plan, for

decision

-2014 Annual Report, status update (no enclosure)

VI. New Business

-Bear Swamp at Red Lion Preserve-The Trust for Public Land, Land Donation Offer, Southampton and Tabernacle Townships, Burlington County, for decision

VII. Adjourn

THE NEW JERSEY NATURAL LANDS TRUST STATEMENT OF FINANCIAL POSITION MARCH 31, 2015

(See Accountant's Review Report)

Unrestricted Permanently Restricted Temporarily Restricted Unrealized Gain/Loss Total Net Assets TOTAL LIABILITIES & NET ASSETS	LIABILITIES & NET ASSETS Liabilities Due To Related Fund Due to Endowment Account Security Deposits Payable Total Liabilities Net Assets	Other Assets Investments-Long Term (FMV) Due From Related Fund Total Other Assets TOTAL ASSETS	Fixed Assets Land Equipment Vehicles Accumulated Depreciation Total Fixed Assets	ASSETS Current Assets Cash and Cash Equivalents Tenants Escrow Hirst Pond Endowment Accrued Interest Receivable Total Current Assets	
38,079,629 - - 38,079,629 \$38,079,629	<u>ب</u>	5) - - - - - - - - - - - - - - - - - - -	38,079,629 2,364 15,544 (17,908) 38,079,629	· · · · ·	Fixed Asset Fund
2,029,160 (95,951) 1,933,209 \$ 1,961,001	\$ 25,000 \$ 2,792 27,792	967,305 444 967,749 \$ 1,961,001		\$ 959,070 3,035 25,000 6,147 993,252	General Fund
138,240 3,373 141,613 \$ 141,613	<i>6</i> 9	75,410 - 75,410 \$ 141,613		\$ 66,075 - 128 66,203	Hyponex
882,202 (31,488) 850,714 \$ 851,158	\$ 444	196,979 - 196,979 \$ 851,158	1	\$ 652,776 - 1,403 654,179	Petty's Island
1,150,400 (29,302) 1,121,098 \$ 1,121,098	ب ۲	438,421 - 438,421 \$ 1,121,098		\$ 682,324 - - - - - - - - - - - - - - - - - - -	Petty's Island Cultural
- 235,344 (6,567) 228,777 \$ 228,777	· · ·	223,109 - 223,109 \$ 228,777		\$ 5,668 - 5,668	Shorebird
- 15,552 - 15,552 \$ 15,552	<i>6</i> 9	\$ 15,552		\$ 15,552 - - 15,552	Wetlands Acquisition
8,415,211 (258,812) 8,156,399 \$ 8,156,399		5,144,820 5,144,820 5,144,820 \$ 8,156,399		2 \$ 2,978,968 	Wetlands Mitigation
2,029,160 38,079,629 10,836,949 (418,747) 50,526,991 \$ 50,555,227	\$ 444 \$ 25,000 2,792 28,236	6 9	38,079,629 2,364 15,544 (17,908) <u>38,079,629</u>	3 \$ 5,360,433 3,035 25,000 5,429,110	TOTAL

The accompanying notes are an integral part of the financial statements.

Statement 1

The accompanying notes are an integral part of the financial statements.

Net Asset Balance Mar 31, 2015	Adjustment for Prior Period	Unrealized Loss/Gain	Land Acquisition	Net Asset Balance Dec 31, 2014	Excess Revenues Over Expenses	Total Other Income	Gain or Loss on Sale	Miscellaneous Income	Interest/Dividend Income	Rent Income	Other Income	Total Expenses	Depreciation Expense	Other Authorized Expenditures	Educational Programming	Capital	Annual Report	Maintenance	Services	Materials and Supplies	Expense	Contribution Income	Revenue (Restricted)		
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8,156,399	,	7,933		8,241,682	(93,216)	24,459		,	24,459	·		117,675		117,675	,	,	,		,	,				Wetlands Mitigation	
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(See Accountant's Review Report)

THE NEW JERSEY NATURAL LANDS TRUST STATEMENT OF ACTIVITIES AND NET ASSETS FOR THE THREE MONTH PERIOD ENDED MARCH 31, 2015

Statement 2

MINUTES OF THE NATURAL LANDS TRUST MEETING April 16, 2015 12:00 PM Office of Natural Lands Management, Trenton, New Jersey

Chairman Catania called the meeting to order at 12:08 PM and roll was taken. A quorum of trustees was present. At least one of the trustees was a state governmental representative.

The Open Public Meetings Act notice was read as follows: Notice of the date, time, location and agenda, to the extent known, was forwarded to three newspapers of general circulation, and provided to the Secretary of State in accordance with the Open Public Meetings Act. It was also noted that such notice was provided on the Trust's website in compliance with the Act requiring State, regional, and local authorities, boards, and commissions to establish a website providing specific information in order to facilitate transparency in government.

In attendance were: Michael Catania, Chairperson James Hall, Vice Chairperson Theresa Lettman, Trustee/Secretary-Treasurer Emile DeVito, Trustee John Flynn, Alternate for DEP Trustee Yeany Larry Torok, DEP Trustee Thomas Gilmore, Trustee (by phone) Ryan Benson, DAG, Trust Counsel Robert J. Cartica, Executive Director Martin Rapp, Trust Staff Cari Wild, Trust Staff

Absent were:

Matt Spayth, Trustee representative for the State Treasurer Rich Boornazian, Trustee representative for the DEP Commissioner Steve Eisenhauer, Trustee State House Commission representative (not appointed)

Guests:

Robert Darwin, de maximis, inc. Bruce Sattin, Esq., Szaferman Lakind Kevin Dyson, Brown and Caldwell Scott MacMillin, Brown and Caldwell David Kutner, NJ Future Dr. Leah Yasenchak, BRS, Inc. Matthew Brener, BRS, Inc. Jason Worth, T&M Associates Charlie Rooney, T&M Associates Marty McHugh, National Fish and Wildlife Foundation (by phone) Garrett Loesch, Township Administrator /CMFO, Little Egg Harbor Township

General Public Comment: None

Financial Report: Mr. Cartica outlined the Financial Statements for the quarters ending September 30, 2014 and December 31, 2014. Mr. Hall motioned to approve the Financial Statements. Mr. Torok seconded the motion and the Financial Statements were unanimously approved by a vote of 7 to 0.

The **October 3, 2014 minutes** were reviewed. Mr. Hall motioned to approve the minutes. Mr. DeVito seconded the motion and the minutes were unanimously approved by a vote of 6 to 0 with Ms. Lettman abstaining.

New Business:

Mr. McHugh and Ms. Yasenchak presented the Mystic Island Preserve, Little Egg Harbor Township, Ocean County- Restoration Plan proposal. The proposed project is part of a larger ecosystem restoration project being completed by Little Egg Harbor (LEH) Township and neighboring Tuckerton Borough with funds provided by the National Fish and Wildlife Foundation (NFWF) to New Jersey Future through the Hurricane Sandy Coastal Resiliency Competitive Grants Program. The purpose of the NFWF-funded work is to protect and preserve the fragile tidal wetlands that border the communities of LEH Township and the Borough of Tuckerton through the creation of a natural living shoreline, which typically involves the use of natural vegetation, such as submerged aquatic vegetation, fill, and biodegradable organic materials in order to stabilize and prevent the loss of vegetated shorelines and associated habitat. LEH Township proposed the restoration of two areas of living shoreline on the Mystic Island Preserve to preserve natural habitat and increase the resiliency of the preserve and to protect an area adjacent to Iowa Court against future storm surge and wave attack from Barnegat Bay during storm events. In the Iowa Court area, due to it being more severely eroded and exposed, LEH Township proposed a stone toe in conjunction with upland fill and vegetation. For the second area which appears more stable and less vulnerable, LEH Township proposed a coir log toe with upland fill and vegetation, although it did not rule out the use of a stone toe. A number of the Board members expressed concern about the use of stone toe as part of a living shoreline. Mr. DeVito suggested that perhaps the two areas of the project could be connected through coir logs. He noted that one of the most useful aspects of the project is what we are going to learn from it in terms of potential resiliency tools. Because this is a habitat management activity beyond the scope of normal day-to-day management, the Board was asked to conceptually approve the proposed project. Mr. Hall motioned to conceptually approve the Mystic Island Restoration Plan with the understanding that the plan would limit the use of stone toe to the Iowa Court area and that a revised plan would be brought to the Board for approval. Mr. Torok seconded the motion and the plan was conceptually approved by a vote of 7 to 0.

Mr. Darwin updated the Board regarding monitoring work done under the **Hamilton Preserve**, **Hamilton Township**, **Atlantic County-D'Imperio Memorandum of Understanding (MOU)**. As D'Imperio noted when it brought this to the Board in 2013, to the extent that any contamination is found in groundwater at the Hamilton Preserve, it may be necessary to install an extraction well or conduct other remediation. Based on the ground water monitoring that has since been performed, contamination was found under the edge of the Hamilton Preserve. The plan approved by the USEPA requires the installation of three extraction wells to contain the contaminated groundwater plume. Due to the location of the contaminated groundwater plume, D'Imperio has no alternative but to locate one of extraction wells on the Hamilton Preserve. D'Imperio proposes an Amended MOU (AMOU) that authorizes the installation of one extraction well, an observation well and underground connections to pipes leading to a treatment plant approximately one mile away from the Hamilton Preserve. Once treated, the water will be injected into the aquifer. Under the proposed AMOU, the same restoration requirements that apply under the MOU will be required with respect to the new activities, namely the installation of gates, invasive species monitoring and management, and a requirement that the use of any fill at the property be pre-approved by the Trust. In addition, D'Imperio will provide a monetary payment of \$25,000 as reimbursement for staff time and resources. Mr. Hall motioned to approve the AMOU with the inclusion of the \$25,000 payment. Mr. Torok seconded the motion and, by a vote of 7 to 0, the AMOU was approved and the chair authorized execution subject to its review, approval, and revision by the AG's Office.

Unfinished Business:

Ms. Wild provided the Board with a **Petty's Island, Pennsauken Township, Camden County Status Report.** Trust and NJAS staff met with the Petty's Island stakeholders for the annual update on February 6, 2015. The Trust recently awarded two contracts at Petty's Island: one an engineering feasibility study of the Crowley Ramp as a potential future visitor's center location; and the other for three conceptual designs that integrate industrial heritage features into the landscaping around or approaching the future visitor's center. With these two contracts, the \$82,500 grant the Trust received from the William Penn Foundation in 2013 is depleted. The Trust has initiated discussions with William Penn for another grant that would, among other things, fund the services of a historian/archaeologist to research the history of Petty's Island as well as a documentary filmmaker(s) to make short films telling the story of Petty's Island's preservation and the history of Petty's Island. It was also noted that CITGO made their annual stewardship payment in the amount of \$125,000.

Mr. Catania provided the **Delaware Bay Migratory Shorebird Subcommittee Report**. The subcommittee is exploring many possibilities including funding through DEP-approved supplemental environmental projects. Mr. Catania reported that he and Eric Stiles of the New Jersey Audubon Society recently met with DEP's Compliance and Enforcement (Assistant Commissioner John Giordano) to discuss funding opportunities through DEP-approved supplemental environmental projects.

New Business:

Mr. Cartica presented the **Spending Authorization for Calendar Year 2015.** This year's authorization includes full biodiversity inventories at the Bear Swamp at Red Lion and Hamilton Preserves and a number of species-specific inventories at other preserves. Mr. Hall motioned to approve the Spending Authorization for Calendar Year 2015. Mr. DeVito seconded the motion and the 2015 Spending Authorization was unanimously approved.

The Board considered the **Bennett Bogs Preserve-The Nature Conservancy (TNC) Land Donation Offer in Lower Township, Cape May County**. Mr. DeVito motioned to approve the TNC Bennett Bogs Preserve land donation on the conditions that a \$25,000 land stewardship endowment be provided by TNC and that if there are any structures, improvements or contamination that would require the expenditure of Trust funds, the offer be brought to the Board for approval before acquisition. Mr. Hall seconded the motion and the offer was unanimously approved. The Board considered the **Bearshead-O'Flynn/GA Land Donation Management Assignment Offer in Hamilton Township, Atlantic County**. Mr. Flynn recused himself from the matter based on the advice from the NJ Attorney General's Office that by virtue of his employment within the Green Acres Program his vote may present an appearance of conflict notwithstanding that he has no personal or financial stake in Trust management assignments. Mr. DeVito motioned to accept the Land Donation Management Assignment Offer. Mr. Torok seconded the motion, and the offer was unanimously approved with Mr. Flynn abstaining.

Mr. Cartica presented the Board with the New Jersey Wetlands Mitigation Council Resolution Approving Expenditures. Mr. Cartica explained on or about October 2, 2014, the Trust received a memorandum and signed resolution dated August 5, 2014 by the Acting Chair of the Wetlands Mitigation Council (Council) requesting disbursements totaling \$565,649.08 from the Wetlands Mitigation Fund to the Green Trust Alliance. In accordance with the Trust's April 18, 2004 MOU with the Council, the Executive Director of the Trust shall disburse moneys for projects approved by a resolution of the Council; provided, however, that disbursements exceeding \$250,000 shall require the authorization of the Trust's Board, which shall act on any request for such authorization within ten working days after the Executive Director's receipt of a request for disbursement from staff to the Council. Per Trust bylaws, in the event a decision by the Board is required and a special meeting cannot be held due to time constraints or lack of a quorum, the Executive Director may poll the members of the Board to determine their preference on an issue. In such a circumstance, the Executive Director shall supply to each Board member, in writing, a draft resolution and information sufficient for Board consideration. With the concurrence of at least seven (7) members of the Board, the Executive Director may take action in accordance with the resolution. On or about October 7, 2014, Mr. Cartica polled the Trust's Board to determine their preference on this issue. Eight Board members, with at least one of them of them being an official of state government, responded affirmatively to approve the resolution. This resolution, having been presented to the Board at today's meeting and there being no objection, was affirmed.

The Board considered the **Draft 2014 Annual Report**. Ms. Wild requested that the Board provide any comments/changes on the draft report within the next thirty days. Mr. DeVito motioned to approve the draft report subject to Board members and staff having flexibility to incorporate changes, including the addition of the noted article. Mr. Torok seconded the motion, and the 2014 Annual Report was unanimously approved.

The 2015 Board meeting dates are: June 5, 2015, September 11, 2015, and December 4, 2015.

Mr. Hall motioned for the meeting to be adjourned. Mr. Torok seconded the motion, and the meeting was adjourned at 2:35 PM by a unanimous vote.

Respectfully submitted,

Theresa Lettman Secretary/Treasurer

ALCATEL-LUCENT USA INC. & NEW JERSEY NATURAL LANDS TRUST MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING (MOU), dated this _____day of June, 2015, by and between Alcatel-Lucent USA Inc. ("Alcatel-Lucent") and the New Jersey Natural Lands Trust (the "Trust") (Alcatel-Lucent and Trust each also referred to individually as "party" and collectively as "parties") is entered into concerning lands owned by the Trust at Block 6202, Lot 1 in Hanover Township, Morris County, known as the "Black Meadows Preserve".

WHEREAS, the Trust was created by Law of 1968, chapter 425, as amended (<u>N.J.S.A.</u> 13:1B-15.119 <u>et seq.</u>), as a body corporate and politic in but not of the Division of Parks and Forestry of the Department of Environmental Protection, and the statutory purposes of the Trust include the preservation of land in its natural state for enjoyment by the public and the protection of elements of natural diversity; and

WHEREAS, the Trust has the authority to make, enter into and perform all contracts and agreements necessary or incidental to the performance of its duties, the maintenance of its properties and the execution of its statutory powers; and

WHEREAS, the Trust has the statutory authority to cooperate with and assist, insofar as practicable, any agency of the State or any of its political subdivisions, and any private agency or person in furtherance of the purposes of the Trust; and

WHEREAS, Alcatel-Lucent is responsible for conducting an on-going site remediation case under the requirements of the Industrial Site Recovery Act (the "ISRA Case") at land located at 67 Whippany Road, Hanover Township, Morris County, known as Block 5801, Lots 1.02, 1.03 and 1.04 (formerly Lots 1 and 1.01) (the "Whippany Property"). The Whippany Property is adjacent to the Black Meadows Preserve; and

WHEREAS, as part of the ISRA Case Alcatel-Lucent is required to install a downgradient sentinel groundwater monitoring well as depicted on Exhibit A in the public utility right-of-way that traverses the Black Meadows Preserve; and

WHEREAS Alcatel-Lucent has notified Spectra Energy, the owner of the right-of-way, of the need to install the well and that Alcatel-Lucent will comply with all restrictions and precautions necessary to protect the underground pipelines; and

WHEREAS, Alcatel-Lucent submitted to the Trust a description of the Well Activities (attached hereto as Exhibit B and incorporated herein by reference); and

WHEREAS, the Trust's Board reviewed this matter on June 5, 2015 at a duly noticed public meeting and, through a resolution of the Board, has authorized the Chairman to enter into this MOU with Alcatel-Lucent; and

WHEREAS, the Administrator of the Office of Natural Lands Management in the Division of Parks and Forestry serves as the Executive Director of the Trust and can provide for coordination between the Trust and Alcatel-Lucent.

NOW, THEREFORE, in consideration of these mutual promises and pursuant to the authority of <u>N.J.S.A.</u> 13:1B-15.122 and 13:1B-15.123, it is understood by and between the parties hereto as follows:

- 1. The Trust grants Alcatel-Lucent and its contractors and subcontractors authority to access the utility right-of-way that transverses the Black Meadows Preserve to the extent necessary to install, sample and decommission one groundwater monitoring well as detailed in the Well Activities at Exhibit B.
- 2. Alcatel-Lucent shall undertake well installation, sampling and decommissioning in full compliance with all applicable federal, State and local laws, regulations, permits and other approvals and in a manner that, to the greatest extent reasonably possible, minimizes site disturbance. There is no need for tree removal associated with the Well Activities.
- 3. By execution of this MOU, and so long as Alcatel-Lucent is in compliance with the terms hereof, the Trust consents to Alcatel-Lucent applying for any licenses, permits or other approvals related to the Well Activities. As necessary, the Trust, as owner of the property on which the well will be installed, will execute to the extent required and hereby provides consent to Alcatel-Lucent to file all applications to obtain permits and approvals for the well. Alcatel-Lucent will be responsible for all fees and other costs associated with applying for and obtaining all necessary permits and approvals and for complying, with the reasonable cooperation of the Trust as necessary as owner of the Black Meadow Preserve, with all terms and conditions of these permits and approvals.
- 4. Within 60 days of the effective date of this MOU, Alcatel-Lucent shall submit a check to the Trust made payable to the Trust in the amount of \$2,000 which amount represents a payment (i) in reimbursement for staff time and resources involved in reviewing the information that has been presented by Alcatel-Lucent in order to develop this MOU and (ii) for a reasonable estimate of additional staff time and resources involved in reviewing and assisting in the activities and actions that Alcatel-Lucent will be undertaking pursuant to this MOU. Alcatel-Lucent shall post in escrow with Riker, Danzig, Scherer, Hyland & Perretti, LLP in its attorney trust account the sum of \$1,500 to secure the proper decommissioning of the well. If the Trust should reasonably determine that Alcatel-Lucent is not in compliance with the terms of this MOU, then with written notice of the noncompliance for Alcatel-Lucent to cure or begin to cure any noncompliance or to provide evidence that it is in compliance, the Trust may demand the funds in escrow and use said funds to provide for proper well decommissioning.

- 5. **REPORTING.** On or before the first day of April during the first 3 years and the last year of the term of this MOU, Alcatel-Lucent shall submit to the Trust a report of the Well Activities undertaken during the prior calendar year along with copies of all documents, including permits, if any, relating to such Well Activities. During the term of this MOU, Alcatel-Lucent shall provide the Trust with any reports submitted to NJDEP that contain data from the well.
 - 6. **TERM.** The term of this MOU shall extend until Alcatel-Lucent has completed the Well Activities. Alcatel-Lucent shall provide the Trust with a copy of Alcatel-Lucent's Licensed Site Remediation Professional's written determination regarding completion of the Well Activities, and the parties' respective obligations under this MOU shall terminate.
 - 7. **BINDING EFFECT.** All of the terms, conditions, and covenants to be observed and performed by the parties under this MOU shall be applicable to and binding upon their employees, agents, contractors, successors and assigns, as the case may be.
 - 8. **ASSIGNMENT.** This MOU shall not be assigned by either party hereto without the prior written consent of the other party.
 - 9. NO THIRD PARTY BENEFICIARIES. There are no third party beneficiaries to this MOU and this MOU shall not create any third party rights, claims or causes of action against the parties.
 - 10. **INDEMNIFICATION.** Alcatel-Lucent, for itself, and its agents, successors and assigns, assumes all risks and liabilities arising out of its use or occupancy of the Black Meadows Preserve and covenants to indemnify, protect and hold harmless the Trust, and hereby releases the Trust, and each and every of its officers, officials, agents, employees, successors and assigns from any and all liability, claims, and costs which may in any manner arise out of, be occasioned by, or result from the entry, use or occupancy of the Black Meadows Preserve for activities under this MOU by Alcatel-Lucent, its officers, agents, employees, or invitees, express or implied. Alcatel-Lucent's liability under this provision shall continue after the termination of this MOU with respect to any liability, loss, expense or damage resulting from acts or omissions to act occurring prior to termination. This indemnification is not limited by, but is in addition to, the insurance obligations contained in this Agreement.

11. INSURANCE.

a. Alcatel-Lucent, its contractor(s) and subcontractor(s) (including but not limited to any person providing any service and/or conducting any activity as part of the Well Installation Activities) shall obtain and maintain at all times during which the Well Installation Activities are being conducted on the Black Meadows Preserve insurance of the types and in the amounts as hereinafter provided, except that Alcatel-Lucent need not maintain or have its contractor(s) or subcontractor(s) maintain such

insurance for purposes of conducting any required activities that entails walking onto the Black Meadows Preserve, so long as walking on to the Black Meadows Preserve does not require Alcatel-Lucent or its contractor(s) or subcontractor(s) to engage in conduct or activities on the Black Meadows Preserve that are not generally engaged in by the public.

- 1. Comprehensive general liability insurance as broad as the standard coverage form currently in use in the State of New Jersey, which shall not be circumscribed by any endorsements limiting the breadth of coverage, against claims for bodily injury, death or property damage occurring on, in or about the Black Meadows Preserve. The policy shall be endorsed to include:
 - (a) Broad Form Comprehensive General Liability and

(b) Motor vehicles that Alcatel-Lucent owns as well as motor vehicles that Alcatel-Lucent does not own but that Alcatel-Lucent, its contractors, subcontractors, or agents operate.

Limits of liability shall not be less than One Million (\$1,000,000) Dollars per occurrence as a combined single limit; and

- 2. Worker's Compensation in accordance with the Laws of the State of New Jersey and Employer's Liability Insurance with limits of not less than One Hundred Thousand (\$100,000.00) Dollars per occurrence for bodily injury liability and One Hundred Thousand (\$100,000.00) Dollars occupational disease per employee with an aggregate limit of Five Hundred Thousand (\$500,000.00) Dollars occupational disease.
- b. All insurance coverage required to be maintained in accordance with this MOU shall be issued by an insurance company authorized and approved to conduct business in the State of New Jersey and, except for worker's compensation and employer's liability insurance, shall name the New Jersey Natural Lands Trust as an additional insured.
- c. Prior to entering the Black Meadows Preserve under this MOU and prior to the initiation of any work to be performed by Alcatel-Lucent and/or any of Alcatel-Lucent's contractors and/or subcontractors, Alcatel-Lucent shall provide to the Trust in a form satisfactory to the Trust a certificate of insurance evidencing that the insurance coverage required under this MOU is in effect. The certificate of insurance shall provide for thirty (30) days notice, in writing, to the Trust prior to any cancellations, expiration, or non-renewal during the term the insurance is required to be maintained in accordance with this MOU.
- d. Alcatel-Lucent also agrees to provide the Trust with valid certificates of renewal of the insurance upon the expiration of the policies so that the Trust is in continuous possession of documentation that Alcatel-Lucent has at all times obtained and

maintained all insurance coverage required under this MOU. Alcatel-Lucent shall, upon request, provide the Trust with copies of each policy required under this MOU, certified by the agent or underwriter to be true copies of the policies provided to Alcatel-Lucent. Alcatel-Lucent shall deliver all certificates to the Trust's address set forth below. Alcatel-Lucent expressly understands and agrees that any insurance protection required by this MOU shall in no way limit Alcatel-Lucent's obligations assumed in this MOU, and shall not be construed to relieve Alcatel-Lucent from liability in excess of such coverage, nor shall it preclude the Trust from taking such other actions as are available to it under any provision of this MOU or otherwise at law.

- e. Provided the requirements at a. through d. above are met, Alcatel-Lucent may satisfy these insurance requirements through the issuance and maintenance of such insurance coverage by the contractor or contractors with whom Alcatel-Lucent contracts for the Well Activities.
- 14. **MODIFICATION.** No provision of this MOU shall be modified without the express written approval thereof by the Trust and Alcatel-Lucent.
- 15. **SEVERABILITY/WAIVER.** All agreements and covenants contained herein are severable, and in the event any of them shall be held to be invalid by any competent court, this Agreement shall be interpreted as if such invalid agreements or covenants were not contained herein. Should one or more covenants or conditions be waived, such waiver shall not be deemed to waive or render unnecessary the consent or approval of the waiving party to or of any subsequent similar act by the other party.
- 16. **NOT A PARTNERSHIP.** This MOU is not intended to create, and shall not be construed as creating, a legal form of partnership between the parties to the MOU.
- 17. **CHOICE OF LAW.** This MOU is being executed and is intended to be performed in the State of New Jersey and shall be governed in all respects by the laws of the State of New Jersey, and any action related hereto shall be brought in the Superior Court of New Jersey.
- 18. **NOTICES.** All notices, checks, requests, or authorizations and other communications required or permitted to be given under this MOU shall be either delivered by hand; mailed postage prepaid by certified or registered mail, return receipt requested; or delivered by a nationally recognized overnight courier which provides evidence of receipt (such as Federal Express). Such notices and other communications shall be deemed given when hand delivered to the intended addressee, delivered to the intended addressee by certified mail, or delivered to the intended addressee by a nationally recognized overnight courier. All notices and other communications shall be addressed as follows:

To the Trust: Executive Director New Jersey Natural Lands Trust Mail Code 501-04 P.O. Box 420 Trenton, New Jersey 08625-420

Deputy Attorney General & General Counsel New Jersey Natural Lands Trust Environmental Permitting & Counseling Division of Law P.O. Box 093 Trenton, New Jersey 08625-0093

To Alcatel-Lucent:

Alcatel-Lucent USA Inc. 600 Mountain Avenue Murray Hill, NJ 07974 Attention: Gary M. Fisher

- 19. **NOT A CONVEYANCE.** It is expressly understood that this MOU does not in any way whatsoever grant or convey any permanent easement, lease, fee or other interest in the Black Meadows Preserve to Alcatel-Lucent.
- 20. **LIENS.** Alcatel-Lucent shall not permit to be placed against the Black Meadows Preserve, or any part thereof, any design professionals', mechanics', materialmen's, contractors' or subcontractors' liens with regard to Alcatel-Lucent's actions upon the Black Meadows Preserve. Alcatel-Lucent agrees to hold the Trust harmless for any loss or expense, including reasonable attorneys' fees and costs, arising from any such liens which might be filed against the Black Meadows Preserve property, the Trust or the State of New Jersey.
- 21. **EFFECTIVE DATE.** The undersigned are authorized to sign this MOU and to bind their respective parties to the terms and provisions of this MOU. This MOU shall become effective upon execution by the parties.

Michael Catania, Chairperson New Jersey Natural Lands Trust

Alcatel-Lucent USA Inc.

Reviewed and approved as to form:

Maurice A. Griffin Deputy Attorney General State of New Jersey

EXHIBIT A

Monitoring Well Location Figure



Exhibit B

WELL INSTALLATION ACTIVITIES

Alcatel-Lucent is responsible for conducting an on-going site remediation case under the requirements of the Industrial Site Recovery Act (the "ISRA Case") at land it formerly owned, located at 67 Whippany Road, Hanover Township, Morris County, known as Block 5801, Lots 1.02, 1.03 and 1.04 (formerly Lots 1 and 1.01) (the "Whippany Property"). The Whippany Property is adjacent to the Black Meadows Preserve. As part of the ISRA Case, Alcatel-Lucent is required to install a downgradient sentinel monitoring well outside the area of contamination to monitor if there is movement of the groundwater contaminant plume. Groundwater flow direction from the Whippany Property is to the east southeast and because the Whippany River represents a groundwater boundary, the downgradient sentinel monitoring well must be in a location between the Whippany Property and the Whippany River. All of the downgradient land between the Whippany Property and the Whippany River is owned by the Trust, accordingly there is no alternative location off of Trust land for the well.

The well will be installed on the Spectra Energy Right-of-Way (the "Utility ROW"), which traverses the Black Meadows Preserve. The Utility ROW is maintained, cleared and mowed by Spectra Energy. A truck-mounted drill rig will require access to the Utility ROW for installation of the well. The truck will access the Utility ROW the same way Spectra Energy accesses the Utility ROW for mowing and other work it performs on the Utility ROW. One sub-surface boring to a depth of approximately 30 feet below ground surface will be drilled by the truck mounted drill rig. The monitoring well will be constructed of two-inch diameter PVC casing with a six-inch diameter steel flush mount protective casing and locked cap. There will be one location marker similar to the utility markers that are currently present in the Utility ROW installed to mark the location of the well.

Periodic access to the monitoring well to perform sampling and general well maintenance will be required. Access will be conducted on foot and will require no vehicular access. Each well sampling event be performed within 1 day. It is anticipated that the well sampling will be performed for a duration of approximately 10 years.

At the direction of Alcatel-Lucent's Licensed Site Remediation Professional once the well is no longer required, the monitoring well will be decommissioned in accordance with NJDEP requirements.



MEMO

To: Michael Catania, Chairperson of the Board of Trustees, New Jersey Natural Lands Trust

From: Leah Yasenchak, BRS Inc. /New Jersey Future

CC: Matthew Brener, P.E., BRS, Inc. Jason Worth, P.E., Principal Engineer, T&M Associates Garrett Loesch, Township Administrator / CMFO, Little Egg Harbor Township

Date: March 12, 2015 (Revised May 27, 2015)

Re: Proposal to Construct Living Shoreline (Revision 1) Natural Lands Trust Mystic Island Preserve Little Egg Harbor Township, Ocean County

Note Regarding Submission of Revised Proposal (5/27/2015)

On April 16, 2015, the Board of the New Jersey Natural Lands Trust (NLT) conditionally approved a proposal submitted by the Township of Little Egg Harbor to construct two areas of Living Shoreline at the NLT Mystic Island Preserve. The proposed Living Shoreline project at Mystic Island is part of a larger ecosystem restoration project being completed by the Township of Little Egg Harbor and neighboring Tuckerton Borough with funds provided by the National Fish and Wildlife Foundation (NFWF). The project is described in detail in this memo.

At the April 16th meeting, the Township of Little Egg Harbor committed to make certain revisions to the proposed plans including the increased use of coir logs to stabilize the restored areas and the limitation of the use of stone toe to areas in the immediate vicinity of the cul-de-sac at Iowa Court. Further, the Township would expand the project by installing Living Shoreline the entire length of the shoreline between the two target areas. As indicated, the expanded area would include the use of coir log for stabilization at the toe of the new shoreline. The proposal, originally submitted in March 2015, has been revised to include these design changes. The revisions include changes to the text of this cover memo and modifications to Exhibit 6 – Concept Plan to clearly show the areas of limited use of stone in the vicinity of the cul-de-sac at Iowa Court and the extension of the project along the shoreline to Target Area 2.

As of the date of submission of this revised proposal, the Project Engineer (T&M Associates) have not commenced actual design and analysis of the site conditions. The project is currently is the conceptual design phase and a detailed Feasibility Analysis Report is being prepared. The results of this Feasibility Analysis will include information on the source of areas for the fill material and the type of fill material available for use. The results of this analysis will bear on the final designs. The results of the Feasibility Analysis as well as the preliminary design will be made available to the NLT for their review and approval. It is expected that these documents will available in August – September 2015.

Introduction

New Jersey Future, BRS, Inc., and T&M Associates, on behalf of the Township of Little Egg Harbor, present the following proposal for consideration by the Board of Trustees of the New Jersey Natural Land Trust. The intent of the proposed project is to create new natural *living shoreline* improvements to fortify and re-establish vegetated shoreline and marsh habitat along approximately 1,200 feet of critically damaged shoreline, at the Natural Land Trust Mystic Island Preserve. In conjunction with these shoreline improvements, additional site amenities are being investigated to improve public access and provide educational opportunities including public parking spaces, an overlook platform, a bench and kiosk.

The target area is located within the Mystic Island Preserve alongside Iowa Court, a 1,400 linear foot culde-sac on Osborne Island in Little Egg Harbor Township. The storm impacts of Hurricane Sandy significantly damaged approximately 250-300 feet of adjacent vegetated shoreline at the cul-de-sac and contributed to the erosion of another 500 feet of shoreline located 800 feet to the north of the cul-de-sac. The location of the project area is presented in Exhibit 1 attached to this proposal. The location of the two target areas that delimit the shoreline restoration area is presented in Exhibit 2. Photographs of the target restoration area is provided in Exhibit 3.

The proposed project is part of a larger ecosystem restoration project being completed by the Township of Little Egg Harbor and neighboring Tuckerton Borough with funds provided by the National Fish and Wildlife Foundation (NFWF) through the Hurricane Sandy Coastal Resiliency Competitive Grants Program. The purpose of the NFWF-funded work is to protect and preserve the fragile tidal wetlands that border the communities of Little Egg Harbor Township and the Borough of Tuckerton.

The creation of a natural living shoreline involves the use of natural vegetation, such as submerged aquatic vegetation, fill, and biodegradable organic materials in order to stabilize and prevent the loss of vegetated shorelines and associated habitat. The restored shoreline will preserve natural habitat and increase the resiliency of the Mystic Island Preserve and Iowa Court against future storm surge and wave attack from Barnegat Bay during storm events. A historical shoreline map showing the erosion of the shoreline extent over time is provided in Exhibit 4.

Implementation

<u>Design</u> - Based upon the hydro-dynamics, terrestrial, and ecological parameters at this location, a living shoreline improvement is recommended for both areas. Due to the more severely eroded and exposed area of the cul-de-sac, a stone toe in conjunction with upland fill and vegetation is proposed. For the second area which appears more stable and less vulnerable, a coir log toe with upland fill and vegetation is recommended. The source of the upland fill will be dredged materials most likely to be recovered from planned dredging operations in the nearby Iowa Court lagoons. The use of this fill, however, is subject to approval by NJDEP as part of the permitting process for completing the dredging operations. The dredged material will be subjected to multiple analytical tests to confirm environmental and physical quality appropriate for the planned re-use prior to the commencement of dredging operations. All analytical reports regarding the quality of the dredged material will be provided to the Natural Lands Trust as they are received.

Implementation of these improvements is intended to repair and fortify the existing vegetated shorelines, which provide wave damage protection to the adjacent street and residences under moderate storm

conditions. The proposed improvements are in keeping with the existing natural features of the area. Typical cross-sections of the proposed design showing the improvement details are provided in Exhibit 5.

As indicated, new site amenities are being investigated to improve public access. Such improvements include construction of public parking spaces (estimated two spaces), an overlook platform, a bench and kiosk. These types of amenities will promote public access to the area without impairing the natural vista, while providing educational information regarding natural shoreline protection and the habitat for the various species of vegetation and marine life present.

<u>Engineering</u> - The work will be designed on behalf of Little Egg Harbor Township by the engineering team at T&M Associates. T&M is the Municipal Engineer for Little Egg Harbor and will be overseeing all aspects of the design and installation of the NFWF-funded program including the development of the living shoreline. T&M has experience working with other living shoreline projects including the implementation of a large shoreline restoration project currently underway at Berkley Island County Park in Barnegat Bay, which is similar to the environmental and physical conditions at the Mystic Island Preserve target project locations.

The Berkeley Island Park was severely damaged by Superstorm Sandy, and large portions of its shoreline and associated habitat were heavily eroded. The Berkeley Island project is being completed by T&M in conjunction with the Stephens Institute of Technology, which is developing living shoreline engineering standards and methods for the New Jersey Department of Environmental Protection (NJDEP).

<u>Permitting</u> - The creation of a living shoreline may require multiple approvals from the NJDEP Division of Land Use Regulation, depending on the special areas impacted by the project. The creation of a living shoreline is the NJDEP preferred method for shoreline stabilization over harder, structural methods of shoreline stabilization. Currently, there are no existing exemptions or permits-by-rule for the creation of living shorelines. However, Coastal General Permit 29 allows for the creation of living shorelines. If the proposed project does not meet the requirements of this coastal general permit, a CAFRA or Waterfront Development Individual permit and/or a Coastal Wetlands permit may be required.

NJDEP has established an inter-departmental living shoreline working group that has been tasked with providing pre-permitting consultations and support in working though the regulatory requirements of these type projects to facilitate the permitting and reducing delays to implementation.

<u>Schedule</u> – It is expected that the design, permitting, and implementation of the living shoreline at the two target areas at the Mystic Island Preserve will take approximately two years.

Long-Term Monitoring and Maintenance

Living shoreline projects require on-going monitoring and maintenance to ensure the success of the project. The Barnegat Bay Partnership, through its well-respected Coastal Monitoring Program will conduct this monitoring, following a monitoring protocol modeled on the one recently adopted by the NJ DEP. The Partnership has been playing a leading role in the development of living shoreline monitoring guidelines for NJDEP, and will ensure that the monitoring implemented at this site meets all DEP requirements. The New Jersey Corporate Wetlands Restoration Partnership has provided funding for the first two years of what is anticipated to be a five-year monitoring program.

A detailed monitoring and maintenance manual will be created along with the living shoreline design to establish schedule and procedures for regular monitoring and maintenance activities to ensure the least possible impact to the reestablished shoreline and habitat.

Next Steps

Should this proposal be approved by the Natural Land Trust, the next step will be for the Project Engineer to complete their preliminary studies and designs for the installation of the Living Shoreline. The Natural Lands Trust shall be provided all plans and studies for review as they are completed. Little Egg Harbor shall then provide to the Trust a draft Memorandum of Agreement (MOA) establishing the rules for Right-of-Entry onto Natural Lands Trust property for purposes of implementing, monitoring and maintaining the project by Little Egg Harbor, its partners and consultants. The completion of this project will provide many long-lasting, permanent environmental and quality of life benefits for both the Natural Lands Trust Mystic Island Preserve and the communities that adjoin it.

Exhibits

This proposal is accompanied by the following exhibits:

- 1. Project Area Map
- 2. Target Area Site Locations
- 3. Photographs
- 4. Historic Shoreline Map
- 5. Typical Living Shoreline Design Cross Sections
- 6. Conceptual Plan (Revised)

EXHIBIT 1 PROJECT AREA MAP



EXHIBIT 2 TARGET AREA SITE LOCATIONS

PROPOSED LIVING SHORELINE IMPROVEMENTS NATURAL LANDS TRUST MYSTIC ISLAND PRESERVE



EXHIBIT 3 PHOTOGRAPHS



Figure 1: Area 1 - Iowa Court Cul-de-Sac

Figure 2: Area 1 - Iowa Court Cul-de-Sac





Figure 3: Area 1 – Shoreline at the Iowa Court Cul-de-Sac

Figure 4: Area 1 – concrete debris at the Iowa Court Cul-de-Sac





Figure 5: Area 1 – View south towards the Bay

Figure 6: Marsh between Area 1 and Area 2





Figure 7: Area 2 – eroded shoreline, facing south

Figure 8: Area 2 – eroded shoreline, facing south





Figure 9: Area 2 – eroded shoreline, facing south

Figure 10: Area 2 – sandy wash out area



EXHIBIT 4 HISTORIC SHORELINE MAP



EXHIBIT 5 TYPICAL LIVING SHORELINE DESIGN CROSS SECTIONS





EXHIBIT 6 CONCEPT PLAN



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The New Jersey Natural Lands Trust LAND OFFERING FORM

Site Name: Red Swamp at Red Lion-The Trust for Public Land **ID#:** 094-17

Donor(s): The Trust for Public Land **Address:** 20 Community Place, Suite 7 **City, State, Zip:** Morristown, NJ 07960 **Phone:** 973-292-1100, ext. 15 **Agent/Contact:** Kathy Haake

Municipality: Southampton and Tabernacle Townships County: Burlington Frontage: Roads Block: 3101 (S); 401 (T) Lot: 23.01 & 32 (S); 1.01 (T)

Acreage/dimensions: 416 acres Zoning: Assessed value: \$53,100.00 Annual taxes: Exempt Improvements: None

Offer restrictions: None Offer contingencies: None ROWs or easements: Burlington County Conservation and/or Green Acres Easement Type of Acquisition: Fee

Property taxes paid through end of year transfer: N/A Property taxes paid by: N/A Farmland assessed: No

Estimated annual management costs: Land management fund donation:

Who will prepare deed: Trust will prepare deed Intended date of closing: Will property survey & monuments be provided: Yes

Description of Offering

The Trust for Public Land (TPL) offers the donation of an approximately 416-acre property consisting of three parcels, two of which are in Southampton Township, Burlington County and one in Tabernacle Township, Burlington County. TPL is in the process of acquiring the property with an anticipated grant from the Open Space Institute (OSI), which has been capitalized with a \$10.2 million grant from the William Penn Foundation to make loans and grants to permanently protect lands that conserve water quality and quantity in the Delaware River watershed. The OSI grant requires a match, which TPL expects will include funding from the Burlington County Open Space Trust, triggering a condition that a county or Green Acres easement be included within the Deed.

This donation offer falls just outside of the Trust's Bear Swamp at Red Lion Project Area and is in close proximity to the Retreat Project Area. Two of the parcels have frontage on West Patty Bowker Road. One of these parcels also has frontage on New Road. The third parcel has two narrow pieces of frontage on Route 206. There is one small property separating this offering from the existing Bear Swamp at Red Lion Preserve.

Ecological Description

This property is in the Pinelands and contains the headwaters to the Bear Swamp River, a tributary to the South Branch of the Rancocas Creek. It also includes portions of Bear Swamp. The property falls within the Little Creek-Southwest Branch Rancocas Creek subwatershed of the Delaware River watershed. It consists almost entirely of forested wetlands. The forest includes a mix of deciduous wooded wetlands and coniferous forest and may contain pitch pine lowlands, Atlantic white cedar bogs, American holly, sweetgum and swamp magnolia. The property is ranked 4 by the Landscape Project as habitat for the state endangered timber rattlesnake and the state threatened northern pine snake and barred owl.

It should be noted that the Trust recently contracted with an environmental consultant to conduct a biodiversity inventory on the Bear Swamp at Red Lion Preserve. Due to its location within the transition zone between the Inner and Outer Coastal Plain physiographic provinces, the Trust expects the consultant to find a variety of plant and animal species. The offered property is also located in this interesting transition zone.

Management Issues and Concerns

This property will be an addition to the Trust's Bear Swamp at Red Lion Preserve. Staff has not had an opportunity to inspect these specific parcels but knows well the surrounding area of the Trust's existing preserves. Based upon a review of aerial photography, there appear to be some encroachments in one of the areas of frontage along Route 206. There also appears to be ATV use on this parcel. Because TPL will be obtaining a survey and title work, it is anticipated that it will resolve any encroachment issues prior to acquisition. Although the ATV use may pose some management challenges, the addition of this property should not greatly increase the Trust's management responsibilities at the Bear Swamp at Red Lion Preserve.

Acquisition Criteria

This property meets the Board's acquisition criteria for Endangered Species Habitat since it includes suitable habitat for state or federally listed plant or animal species.

Staff Recommendations

Staff recommends the approval of this Land Donation Offer as an addition to its Bear Swamp at Red Lion Preserve provided that all encroachment issues are resolved by TPL prior to acquisition.



New Jersey Natural Lands Trust Bear Swamp at Red Lion-TPL Preserve Southampton, and Tabernacle Twps, Burlington County 416 Acres 00.250.5 1 1.5 2 2.5 3 3.5 Miles





New Jersey Natural Lands Trust Bear Swamp at Red Lion-TPL Preserve Southampton, and Tabernacle Twps, Burlington County 416 Acres 0 0.25 0.5 1 Miles

