



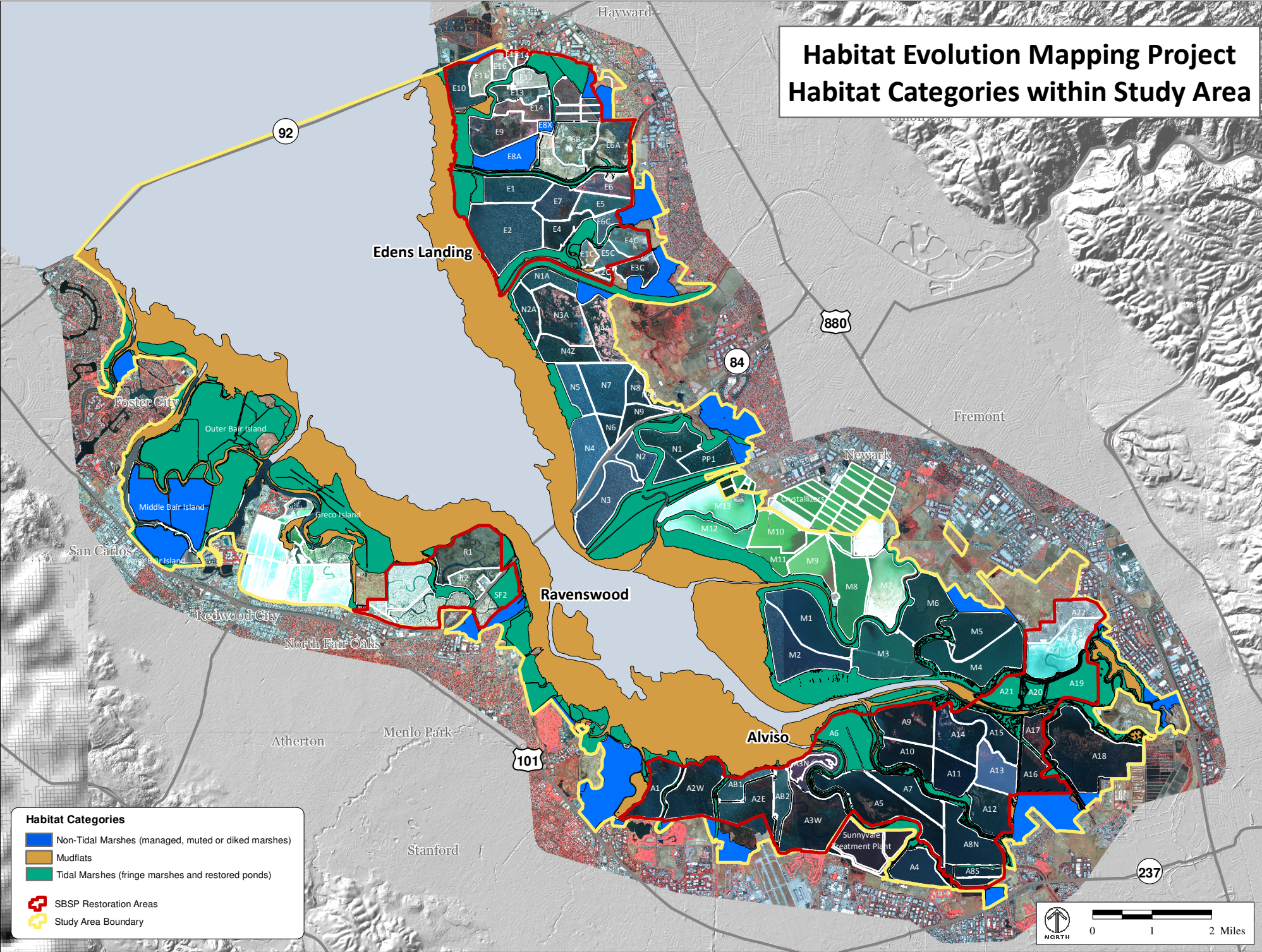
Habitat Evolution Mapping Project

South Bay Salt Pond Restoration Project

**Map Book
(2009-2011)**

Habitat Evolution Mapping Project

Habitat Categories within Study Area



2011 Habitats
South Bay Salt Pond
Restoration Project

Salt Marsh

- Alkali Heath
- Cordgrass
- Cordgrass/- Pickleweed
- Pepperweed
- Pickleweed
- Pickleweed /- Gumplant
- Pickleweed /- Jaumea
- Saltgrass

Brackish Marsh

- Alkali Bulrush
- Alkali Bulrush /- Pepperweed
- Alkali Bulrush /- Pickleweed
- Alkali Bulrush /- Spearscale
- Pepperweed /- Alkali Bulrush

Freshwater Marsh

- Bulrush
- Bulrush/- Cattail
- Cattail

Non Vegetated

- Algae
- Bare Earth
- Mud with Biofilm
- Mud
- Water
- Wrack

Upland

- Alkali Grasses
- Mustard

SBSP Restoration Areas
Study Area Boundary

Map labels: Hayward, Union City, Fremont, Newark, Alviso, Sunnyvale Treatment Plant, Redwood City, North Fair Oaks, San Carlos, Foster City, Edens Landing, Ravenswood, Alviso.

Highways: 92, 84, 880, 101, 237.

Scale: 0 1 2 Miles

North Arrow

2010 Habitats
South Bay Salt Pond
Restoration Project

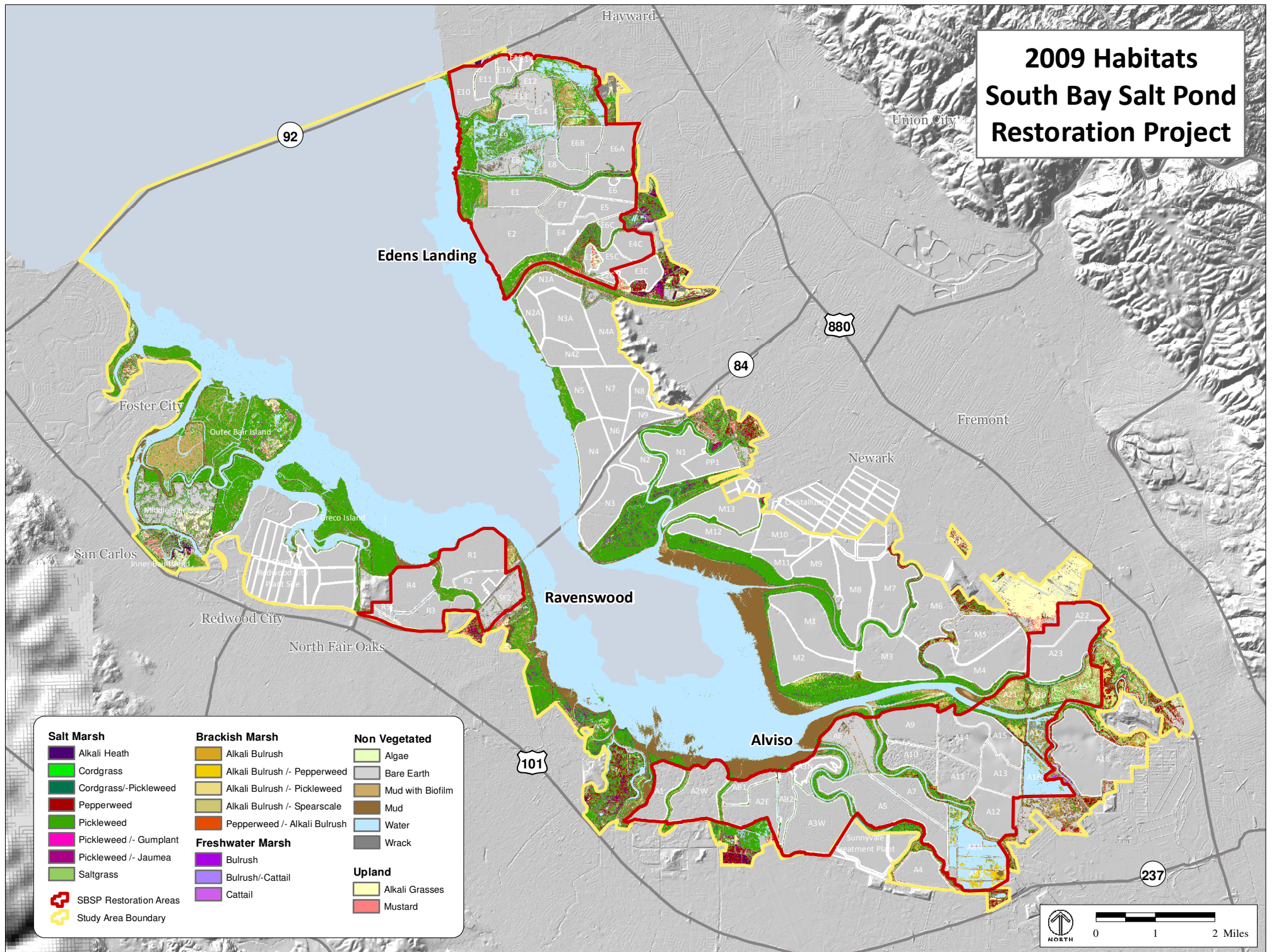
Legend:

Salt Marsh	Brackish Marsh	Non Vegetated
Alkali Heath	Alkali Bulrush	Algae
Cordgrass	Alkali Bulrush /- Pepperweed	Bare Earth
Cordgrass/-Pickleweed	Alkali Bulrush /- Pickleweed	Mud with Biofilm
Pepperweed	Alkali Bulrush /- Spearscale	Mud
Pickleweed	Pepperweed /- Alkali Bulrush	Water
Pickleweed /- Gumplant		Wrack
Pickleweed /- Jaumea		
Saltgrass		
	Freshwater Marsh	Upland
	Bulrush	Alkali Grasses
	Bulrush/-Cattail	Mustard
	Cattail	

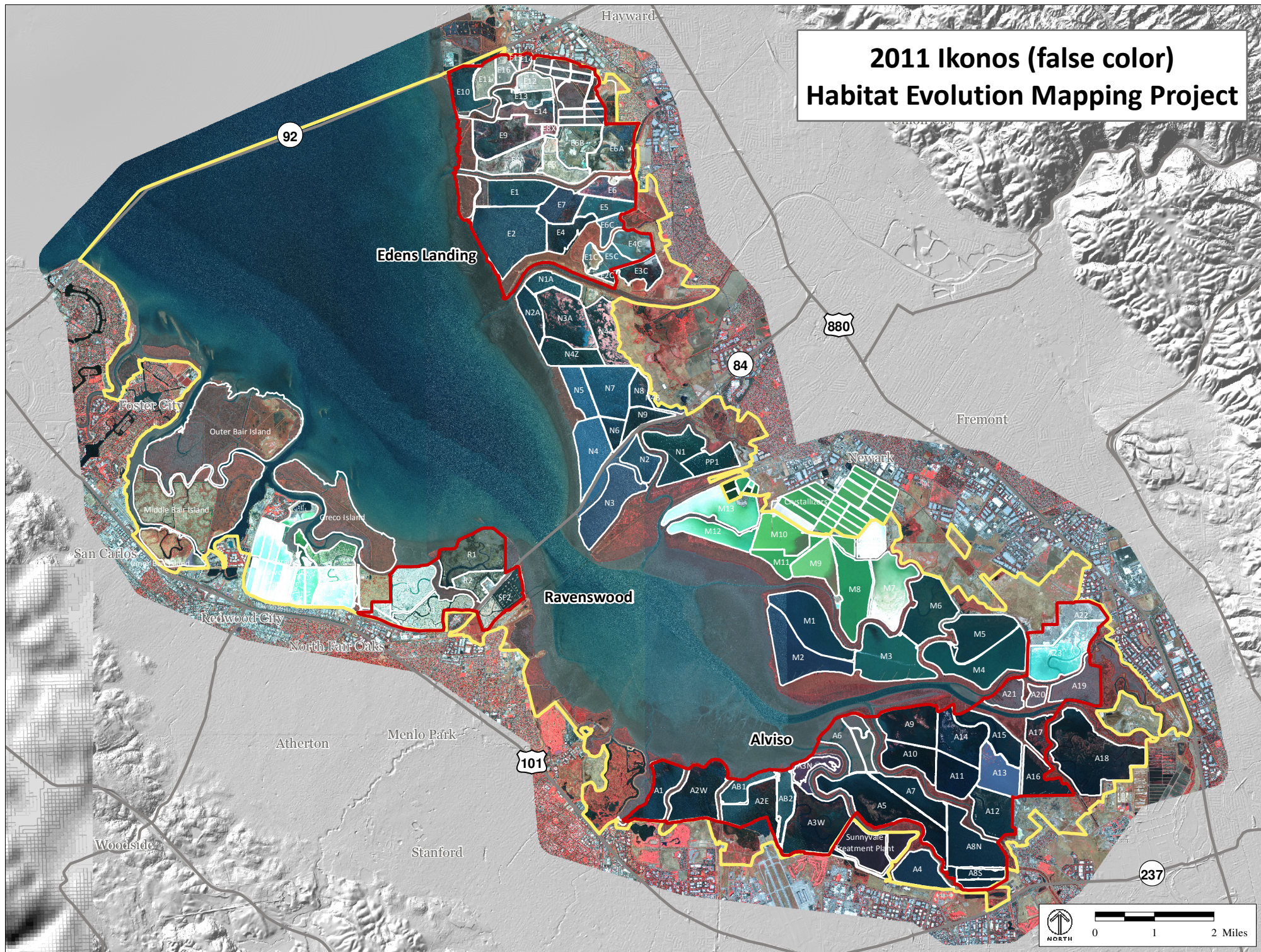
SBSP Restoration Areas (Red outline)
Study Area Boundary (Yellow outline)

Map Labels: Edens Landing, Ravenswood, Alviso, Foster City, San Carlos, Redwood City, North Fair Oaks, Newark, Fremont, Union City, Hayward, Sunnyvale Treatment Plant, Crystalizans, Redwood Mill Plant Site, Outer Ball Island, Middle Ball Island, Inner Ball Island, N1, N2, N3, N4, N5, N6, N7, N8, N9, N10, N11, N12, N13, N14, N15, N16, N17, N18, N19, N20, N21, N22, N23, N24, N25, N26, N27, N28, N29, N30, N31, N32, N33, N34, N35, N36, N37, N38, N39, N40, N41, N42, N43, N44, N45, N46, N47, N48, N49, N50, N51, N52, N53, N54, N55, N56, N57, N58, N59, N60, N61, N62, N63, N64, N65, N66, N67, N68, N69, N70, N71, N72, N73, N74, N75, N76, N77, N78, N79, N80, N81, N82, N83, N84, N85, N86, N87, N88, N89, N90, N91, N92, N93, N94, N95, N96, N97, N98, N99, N100, N101, N102, N103, N104, N105, N106, N107, N108, N109, N110, N111, N112, N113, N114, N115, N116, N117, N118, N119, N120, N121, N122, N123, N124, N125, N126, N127, N128, N129, N130, N131, N132, N133, N134, N135, N136, N137, N138, N139, N140, N141, N142, N143, N144, N145, N146, N147, N148, N149, N150, N151, N152, N153, N154, N155, N156, N157, N158, N159, N160, N161, N162, N163, N164, N165, N166, N167, N168, N169, N170, N171, N172, N173, N174, N175, N176, N177, N178, N179, N180, N181, N182, N183, N184, N185, N186, N187, N188, N189, N190, N191, N192, N193, N194, N195, N196, N197, N198, N199, N200, N201, N202, N203, N204, N205, N206, N207, N208, N209, N210, N211, N212, N213, N214, N215, N216, N217, N218, N219, N220, N221, N222, N223, N224, N225, N226, N227, N228, N229, N230, N231, N232, N233, N234, N235, N236, N237, N238, N239, N240, N241, N242, N243, N244, N245, N246, N247, N248, N249, N250, N251, N252, N253, N254, N255, N256, N257, N258, N259, N260, N261, N262, N263, N264, N265, N266, N267, N268, N269, N270, N271, N272, N273, N274, N275, N276, N277, N278, N279, N280, N281, N282, N283, N284, N285, N286, N287, N288, N289, N290, N291, N292, N293, N294, N295, N296, N297, N298, N299, N300, N301, N302, N303, N304, N305, N306, N307, N308, N309, N310, N311, N312, N313, N314, N315, N316, N317, N318, N319, N320, N321, N322, N323, N324, N325, N326, N327, N328, N329, N330, N331, N332, N333, N334, N335, N336, N337, N338, N339, N340, N341, N342, N343, N344, N345, N346, N347, N348, N349, N350, N351, N352, N353, N354, N355, N356, N357, N358, N359, N360, N361, N362, N363, N364, N365, N366, N367, N368, N369, N370, N371, N372, N373, N374, N375, N376, N377, N378, N379, N380, N381, N382, N383, N384, N385, N386, N387, N388, N389, N390, N391, N392, N393, N394, N395, N396, N397, N398, N399, N400, N401, N402, N403, N404, N405, N406, N407, N408, N409, N410, N411, N412, N413, N414, N415, N416, N417, N418, N419, N420, N421, N422, N423, N424, N425, N426, N427, N428, N429, N430, N431, N432, N433, N434, N435, N436, N437, N438, N439, N440, N441, N442, N443, N444, N445, N446, N447, N448, N449, N450, N451, N452, N453, N454, N455, N456, N457, N458, N459, N460, N461, N462, N463, N464, N465, N466, N467, N468, N469, N470, N471, N472, N473, N474, N475, N476, N477, N478, N479, N480, N481, N482, N483, N484, N485, N486, N487, N488, N489, N490, N491, N492, N493, N494, N495, N496, N497, N498, N499, N500, N501, N502, N503, N504, N505, N506, N507, N508, N509, N510, N511, N512, N513, N514, N515, N516, N517, N518, N519, N520, N521, N522, N523, N524, N525, N526, N527, N528, N529, N530, N531, N532, N533, N534, N535, N536, N537, N538, N539, N540, N541, N542, N543, N544, N545, N546, N547, N548, N549, N550, N551, N552, N553, N554, N555, N556, N557, N558, N559, N560, N561, N562, N563, N564, N565, N566, N567, N568, N569, N570, N571, N572, N573, N574, N575, N576, N577, N578, N579, N580, N581, N582, N583, N584, N585, N586, N587, N588, N589, N590, N591, N592, N593, N594, N595, N596, N597, N598, N599, N600, N601, N602, N603, N604, N605, N606, N607, N608, N609, N610, N611, N612, N613, N614, N615, N616, N617, N618, N619, N620, N621, N622, N623, N624, N625, N626, N627, N628, N629, N630, N631, N632, N633, N634, N635, N636, N637, N638, N639, N640, N641, N642, N643, N644, N645, N646, N647, N648, N649, N650, N651, N652, N653, N654, N655, N656, N657, N658, N659, N660, N661, N662, N663, N664, N665, N666, N667, N668, N669, N670, N671, N672, N673, N674, N675, N676, N677, N678, N679, N680, N681, N682, N683, N684, N685, N686, N687, N688, N689, N690, N691, N692, N693, N694, N695, N696, N697, N698, N699, N700, N701,

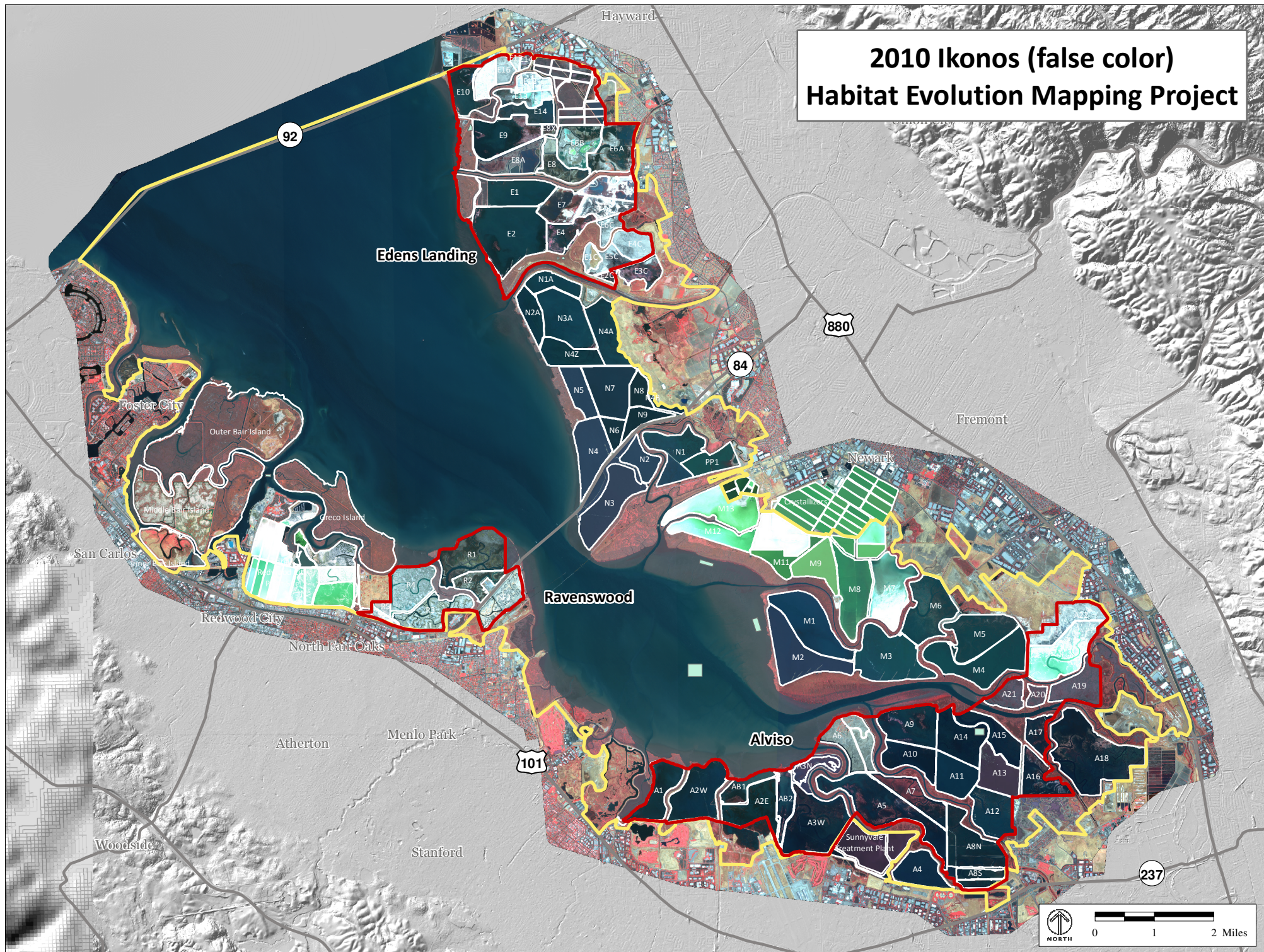
2009 Habitats South Bay Salt Pond Restoration Project



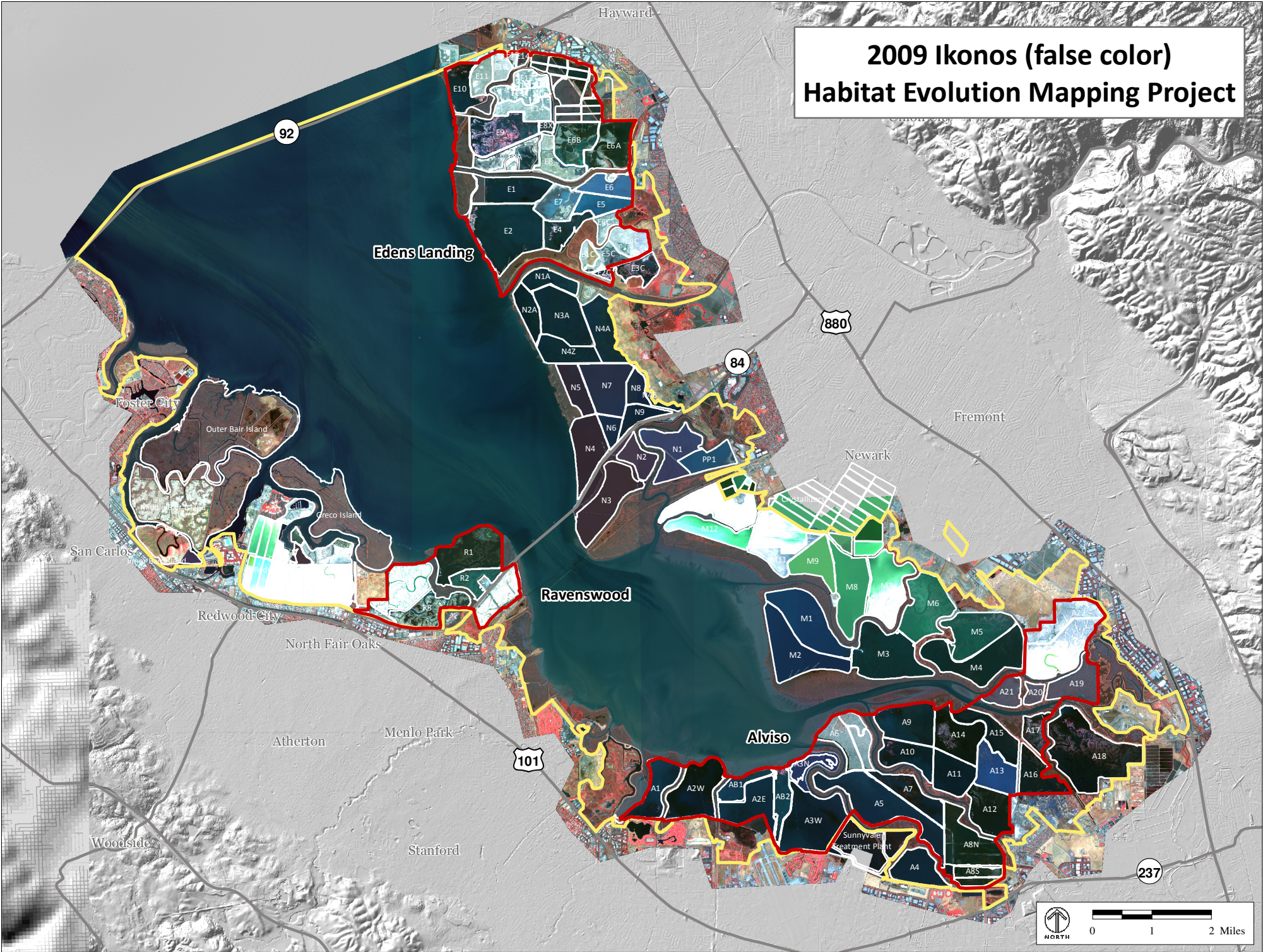
2011 Ikonos (false color)
Habitat Evolution Mapping Project

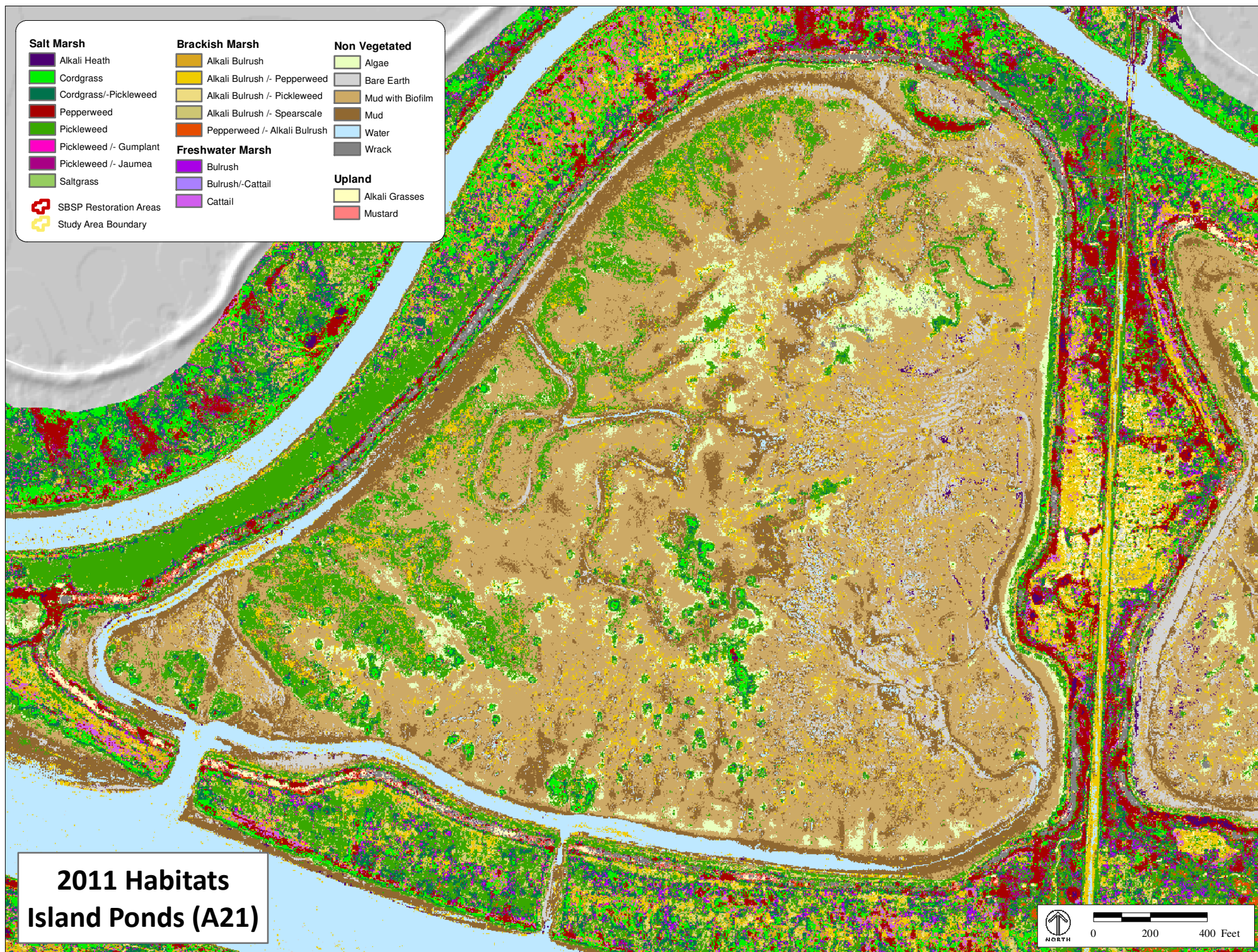


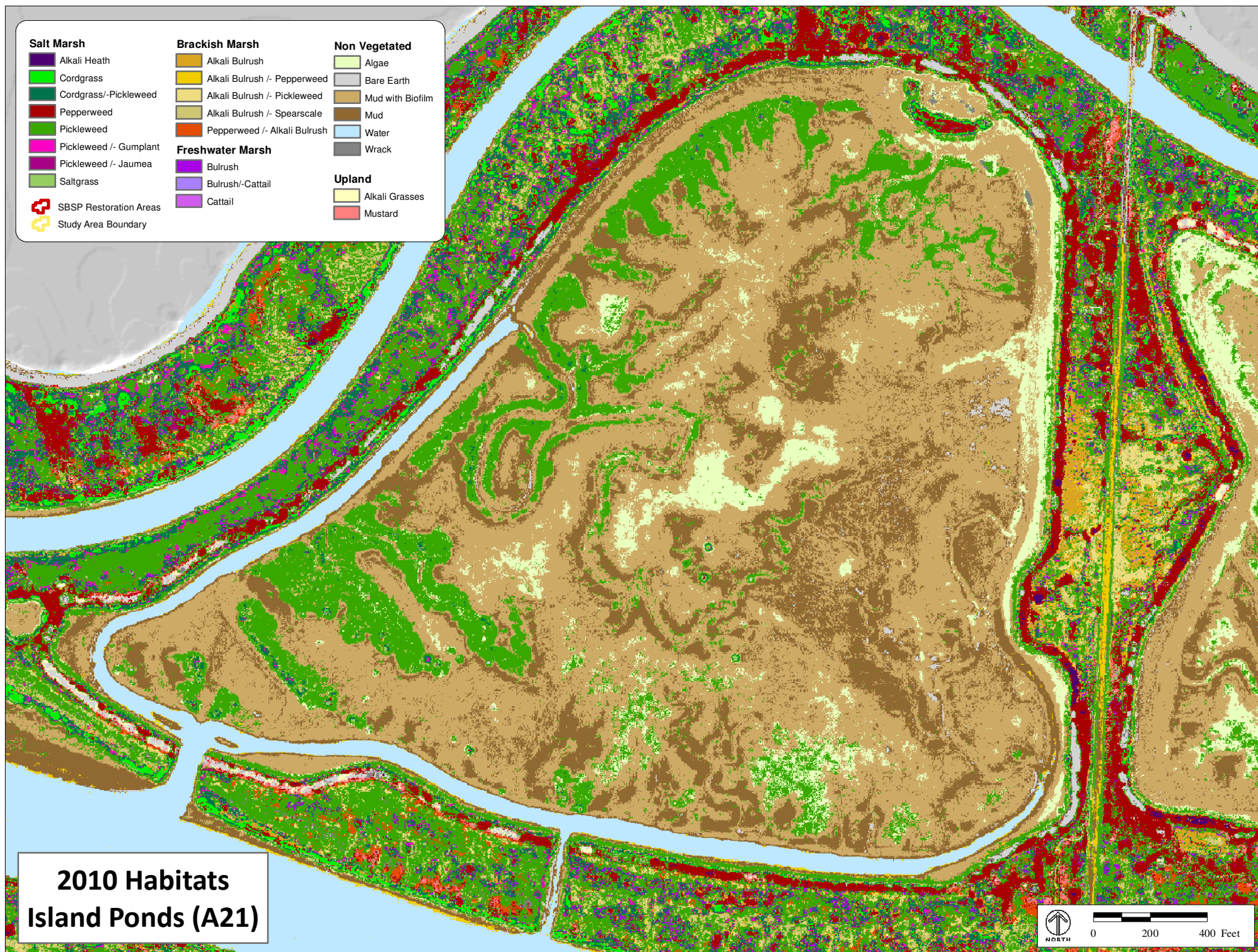
**2010 Ikonos (false color)
Habitat Evolution Mapping Project**

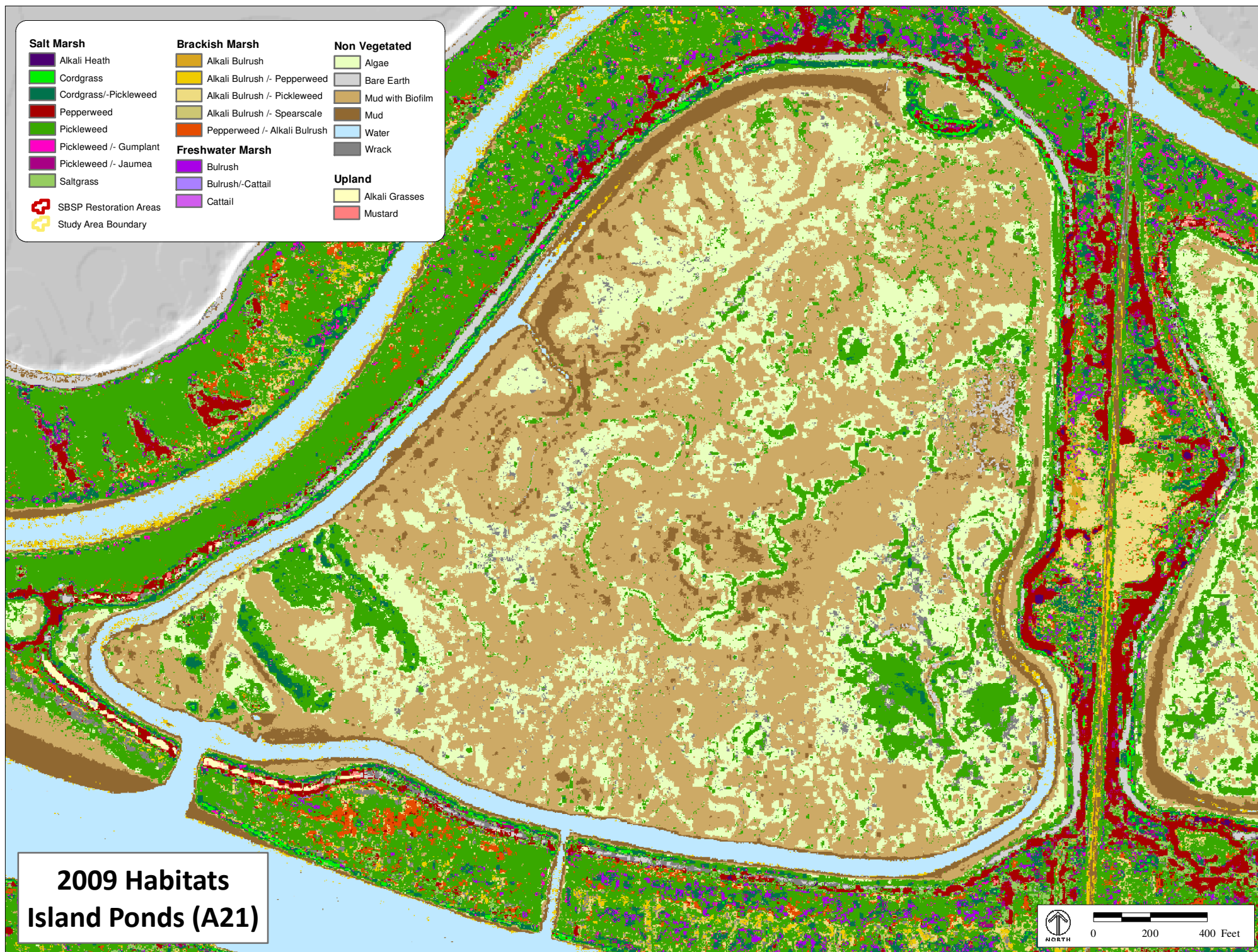


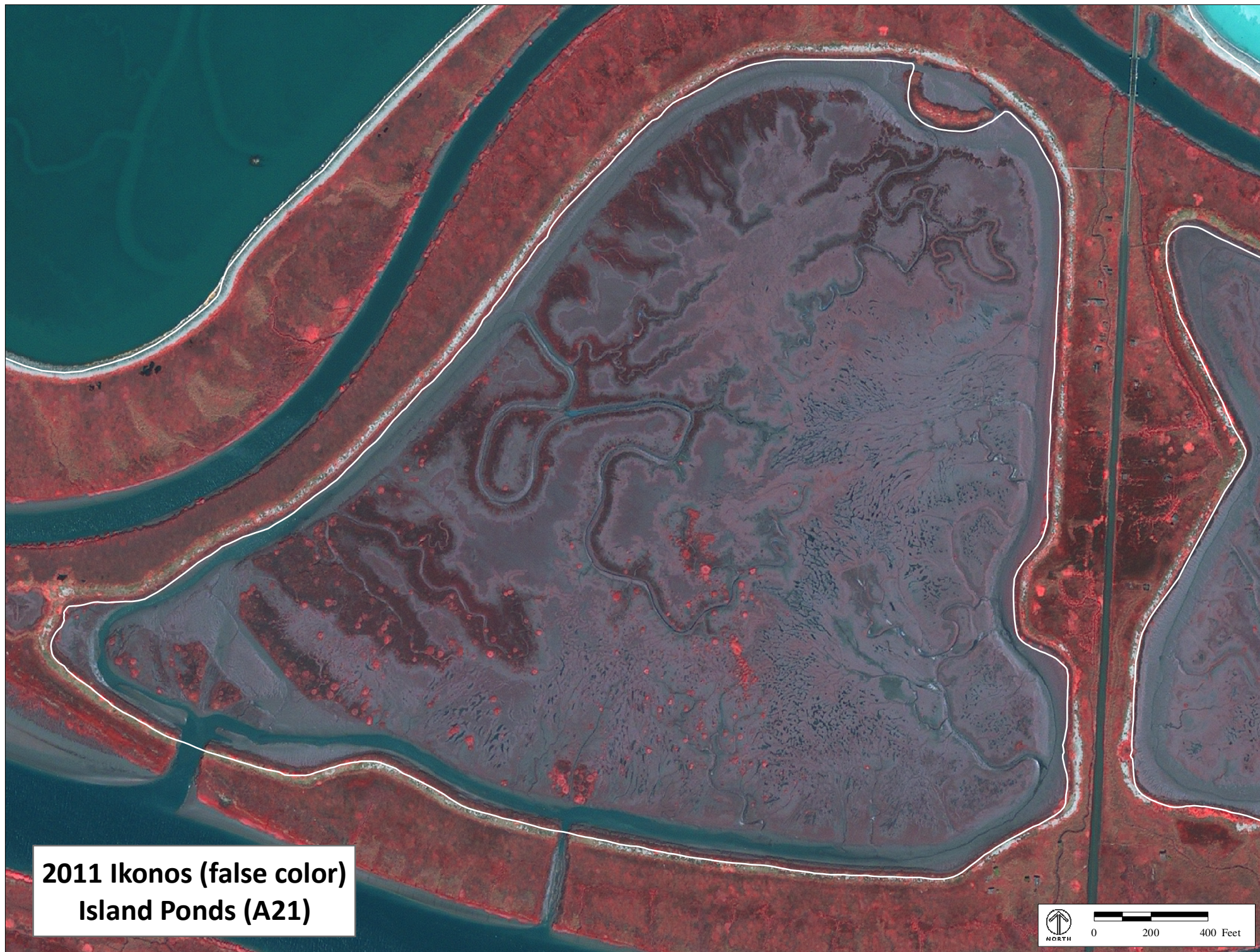
2009 Ikonos (false color)
Habitat Evolution Mapping Project



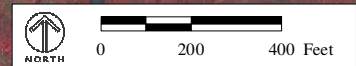




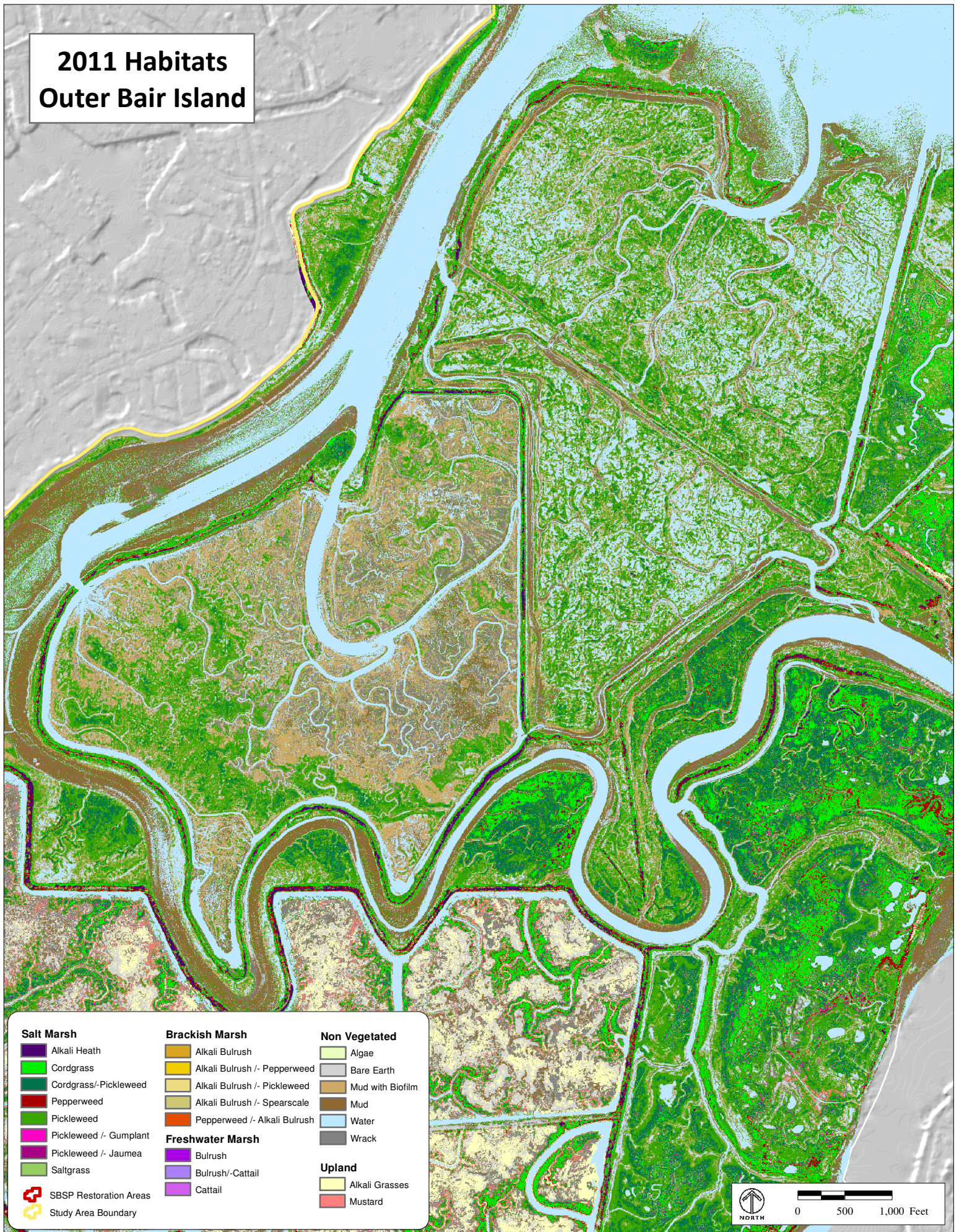




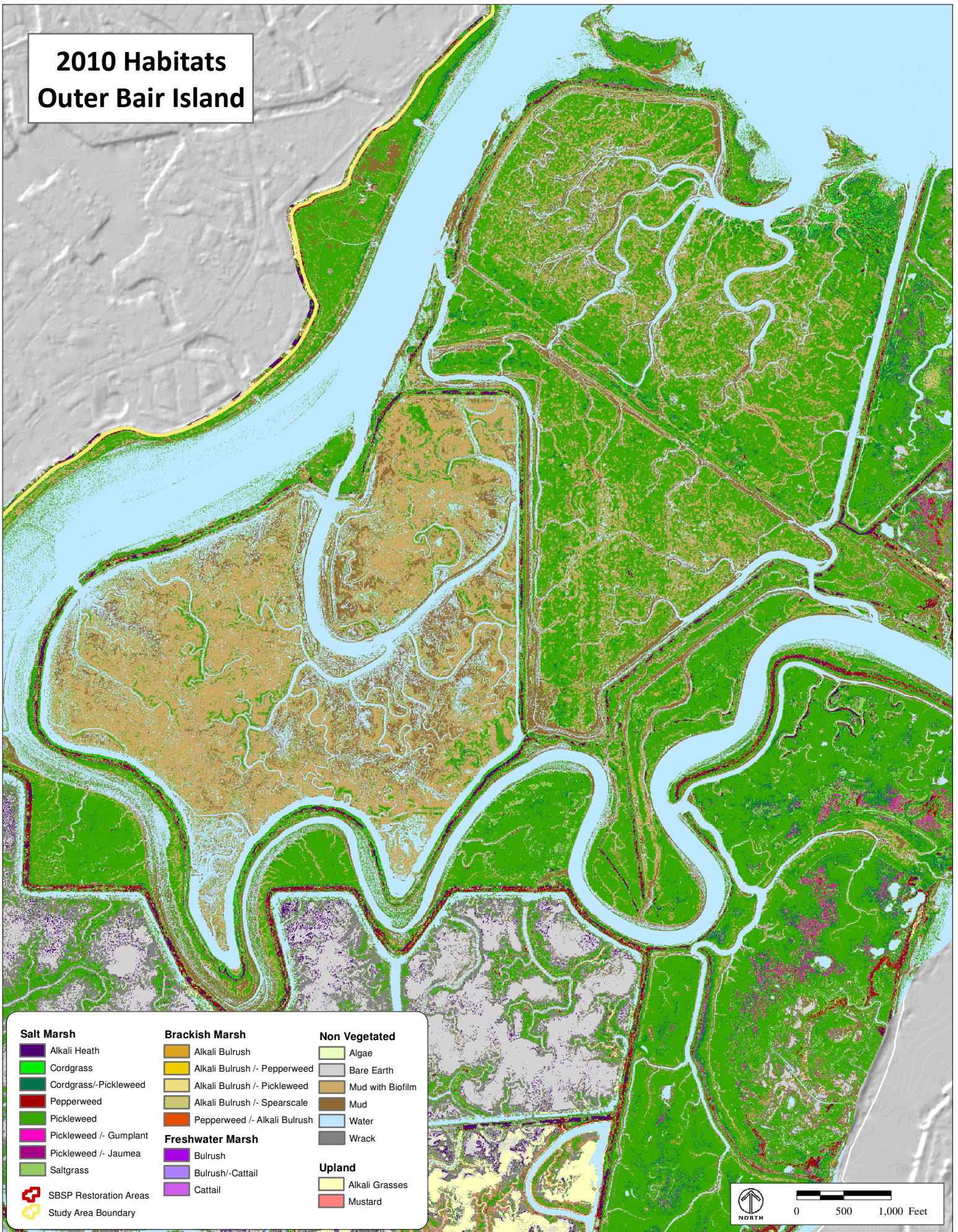
**2011 Ikonos (false color)
Island Ponds (A21)**



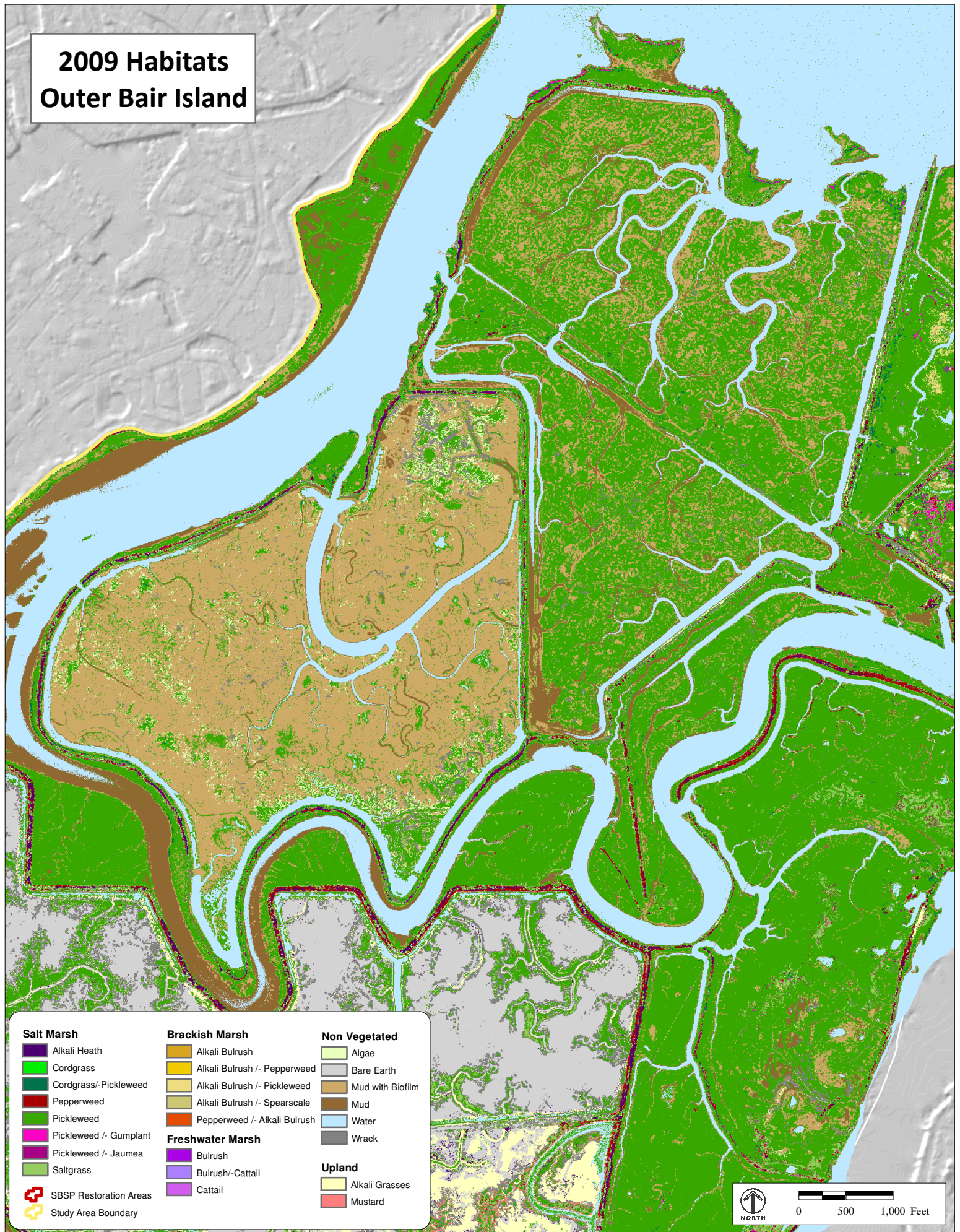
2011 Habitats Outer Bair Island



2010 Habitats Outer Bair Island



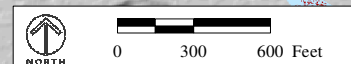
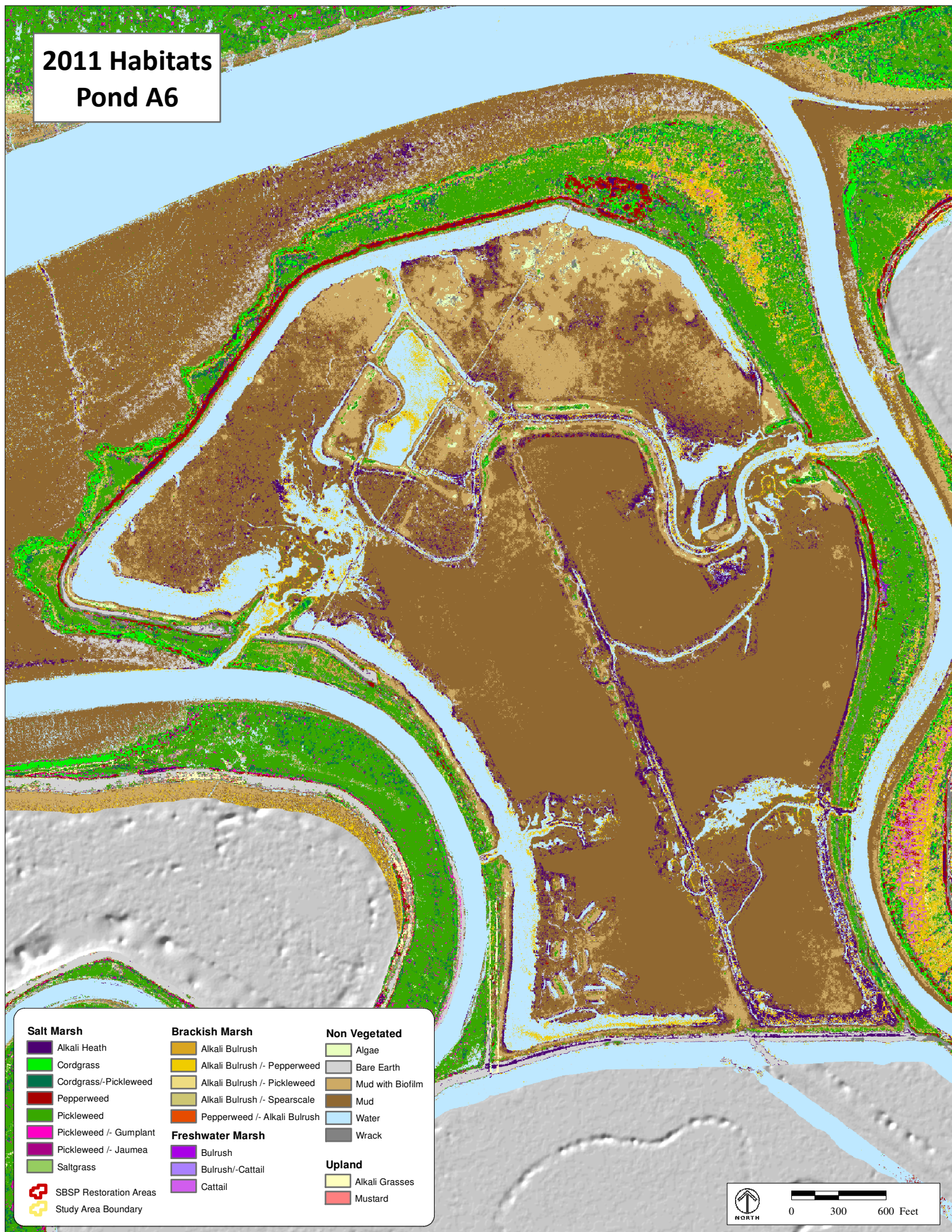
2009 Habitats Outer Bair Island



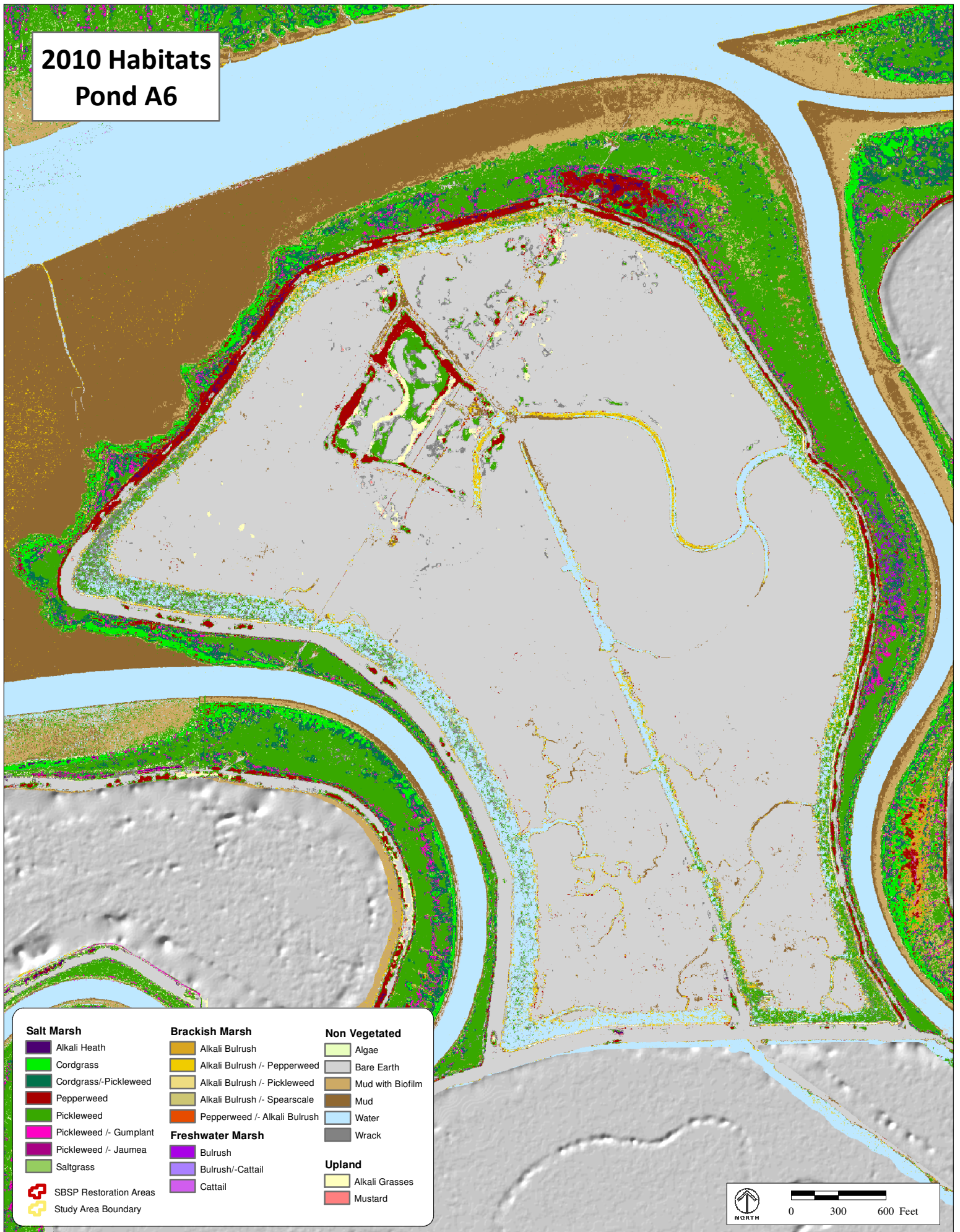
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Outer Bair Island**



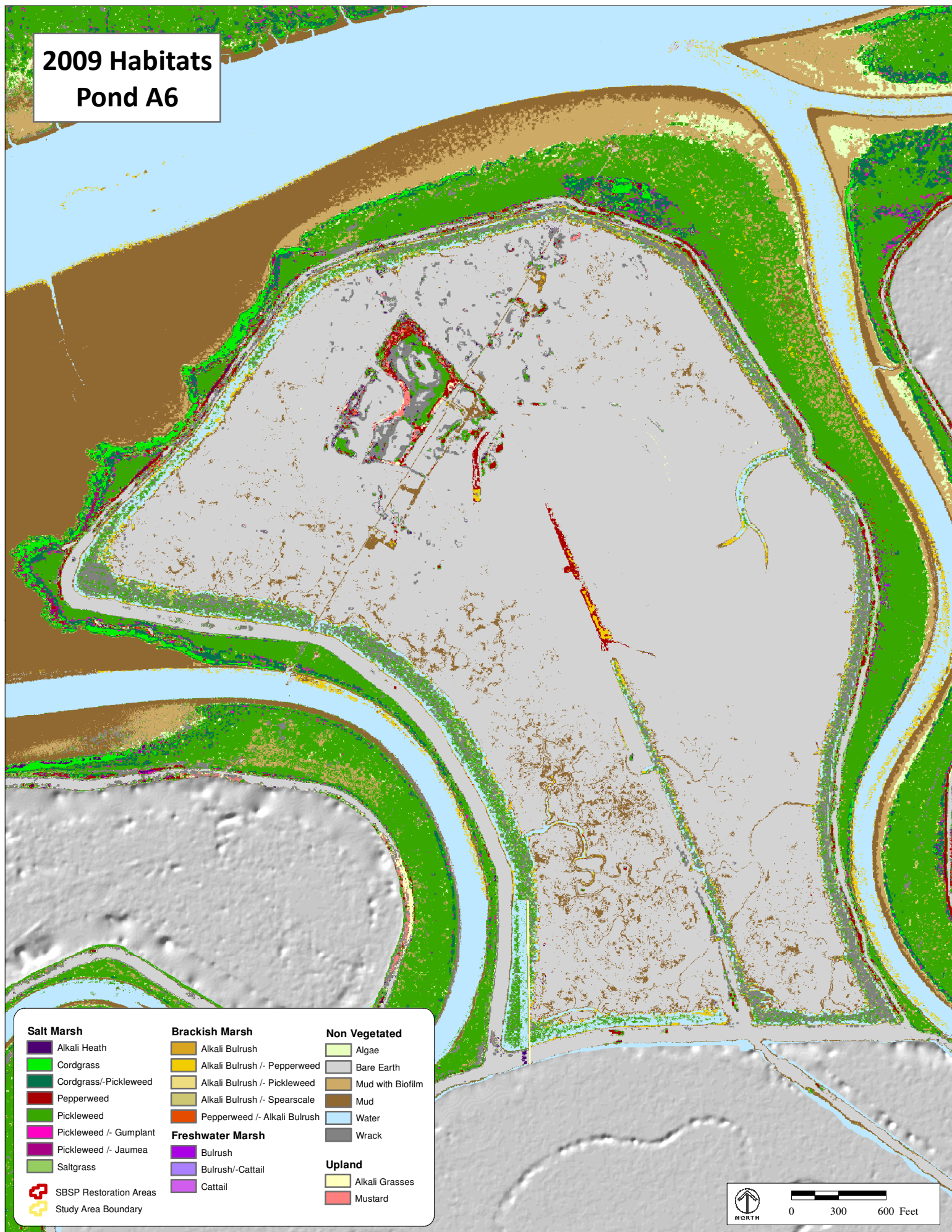
2011 Habitats Pond A6



2010 Habitats Pond A6



2009 Habitats Pond A6









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






2011 Habitats Triangle Marsh




Salt Marsh

-  Alkali Heath
-  Cordgrass
-  Cordgrass/-Pickleweed
-  Pepperweed
-  Pickleweed
-  Pickleweed /- Gumplant
-  Pickleweed /- Jaumea
-  Saltgrass
-  SBSP Restoration Areas
-  Study Area Boundary

Brackish Marsh

-  Alkali Bulrush
-  Alkali Bulrush /- Pepperweed
-  Alkali Bulrush /- Pickleweed
-  Alkali Bulrush /- Spearscale
-  Pepperweed /- Alkali Bulrush

Freshwater Marsh

-  Bulrush
-  Bulrush/-Cattail
-  Cattail

Non Vegetated

-  Algae
-  Bare Earth
-  Mud with Biofilm
-  Mud
-  Water
-  Wrack

Upland

-  Alkali Grasses
-  Mustard



0 125 250 Feet

2010 Habitats Triangle Marsh

Salt Marsh

- Alkali Heath
- Cordgrass
- Cordgrass/-Pickleweed
- Pepperweed
- Pickleweed
- Pickleweed /- Gumplant
- Pickleweed /- Jaumea
- Saltgrass
- SBSP Restoration Areas
- Study Area Boundary

Brackish Marsh

- Alkali Bulrush
- Alkali Bulrush /- Pepperweed
- Alkali Bulrush /- Pickleweed
- Alkali Bulrush /- Spearscale
- Pepperweed /- Alkali Bulrush

Freshwater Marsh

- Bulrush
- Bulrush/-Cattail
- Cattail

Non Vegetated

- Algae
- Bare Earth
- Mud with Biofilm
- Mud
- Water
- Wrack

Upland







- Alkali Grasses
- Mustard








0 125 250 Feet

2009 Habitats Triangle Marsh




Salt Marsh

-  Alkali Heath
-  Cordgrass
-  Cordgrass/-Pickleweed
-  Pepperweed
-  Pickleweed
-  Pickleweed /- Gumplant
-  Pickleweed /- Jaumea
-  Saltgrass
-  SBSP Restoration Areas
-  Study Area Boundary

Brackish Marsh

-  Alkali Bulrush
-  Alkali Bulrush /- Pepperweed
-  Alkali Bulrush /- Pickleweed
-  Alkali Bulrush /- Spearscale
-  Pepperweed /- Alkali Bulrush


Freshwater Marsh

-  Bulrush
-  Bulrush/-Cattail
-  Cattail

Non Vegetated

-  Algae
-  Bare Earth
-  Mud with Biofilm
-  Mud
-  Water
-  Wrack

Upland

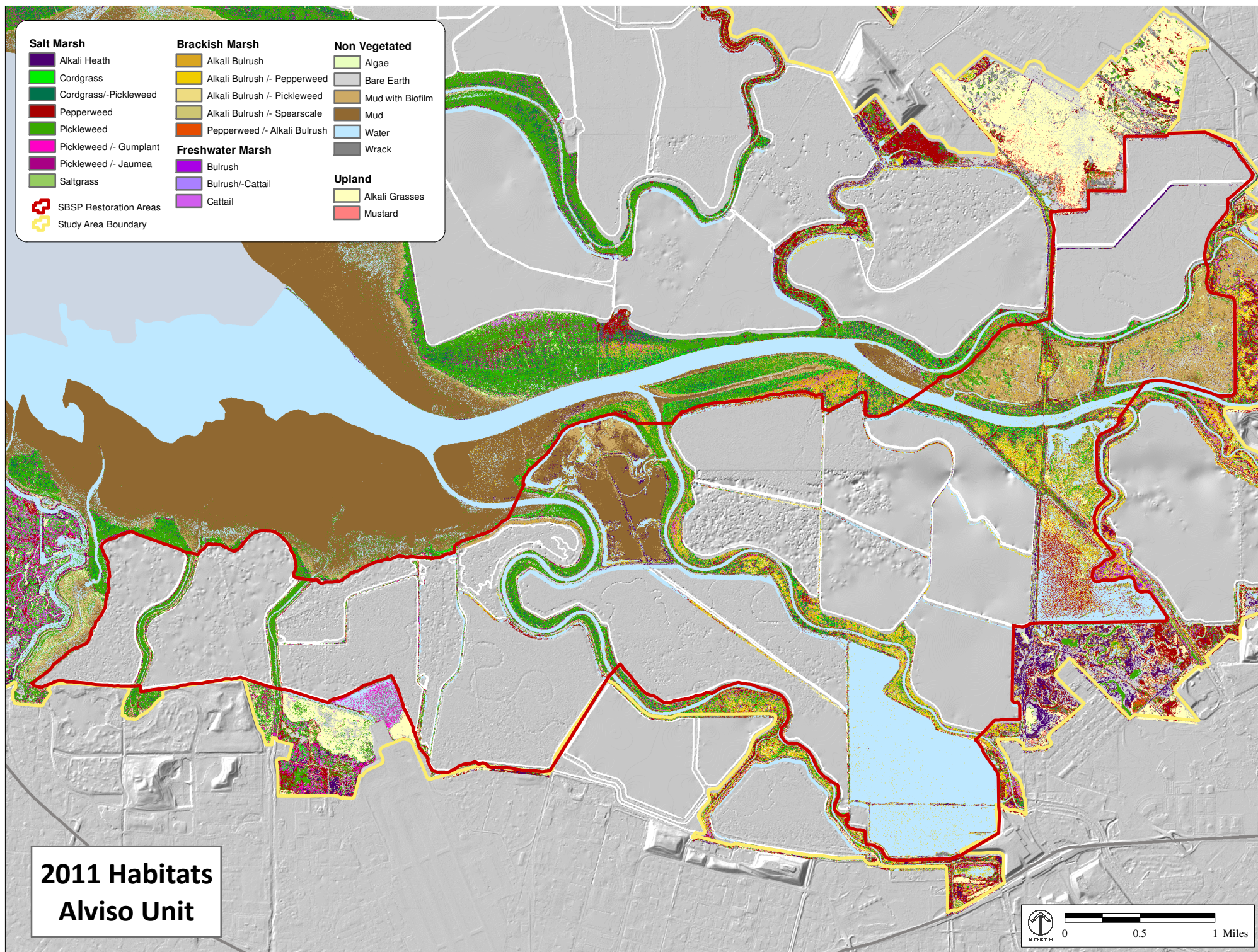
-  Alkali Grasses
-  Mustard

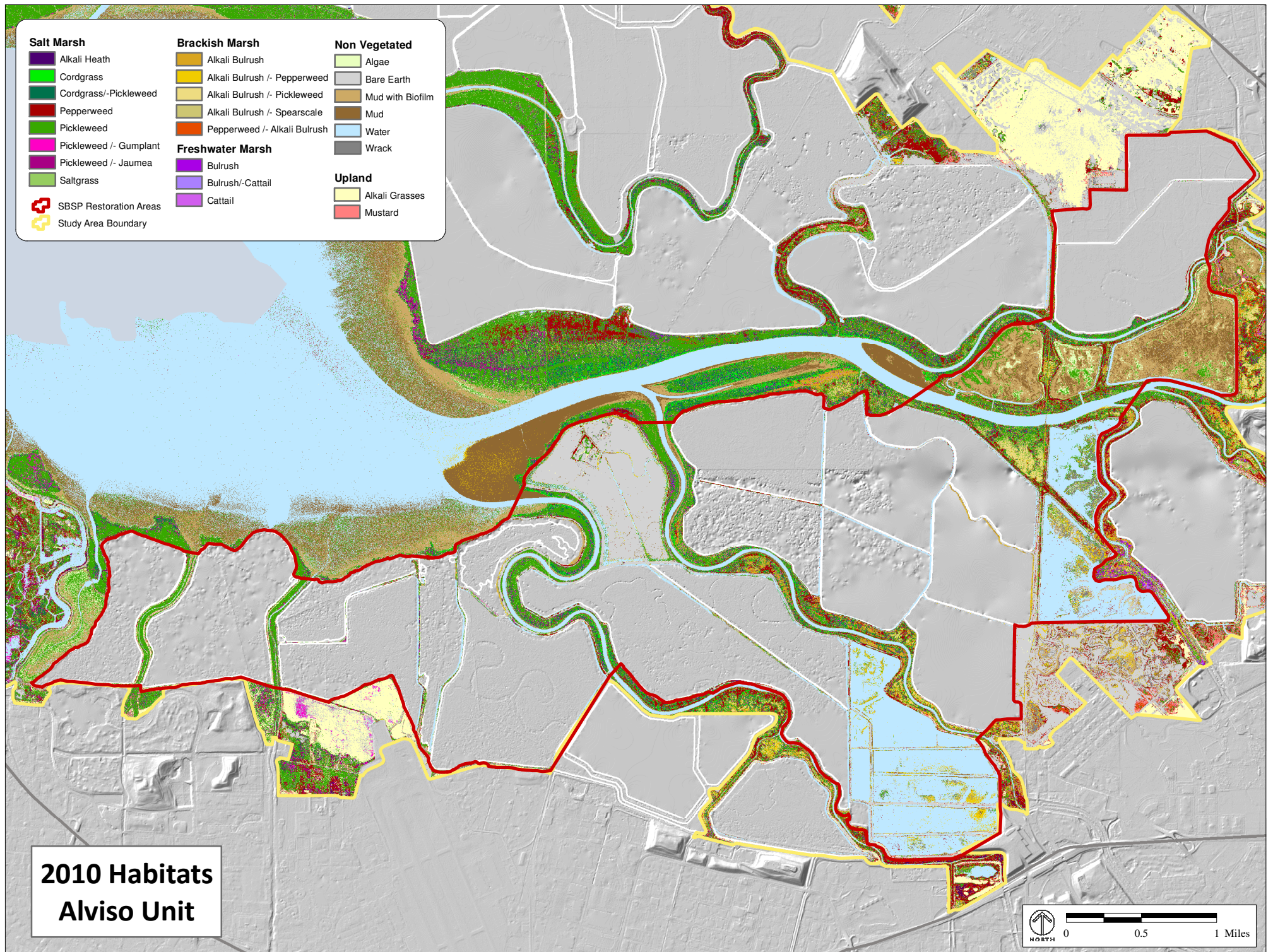


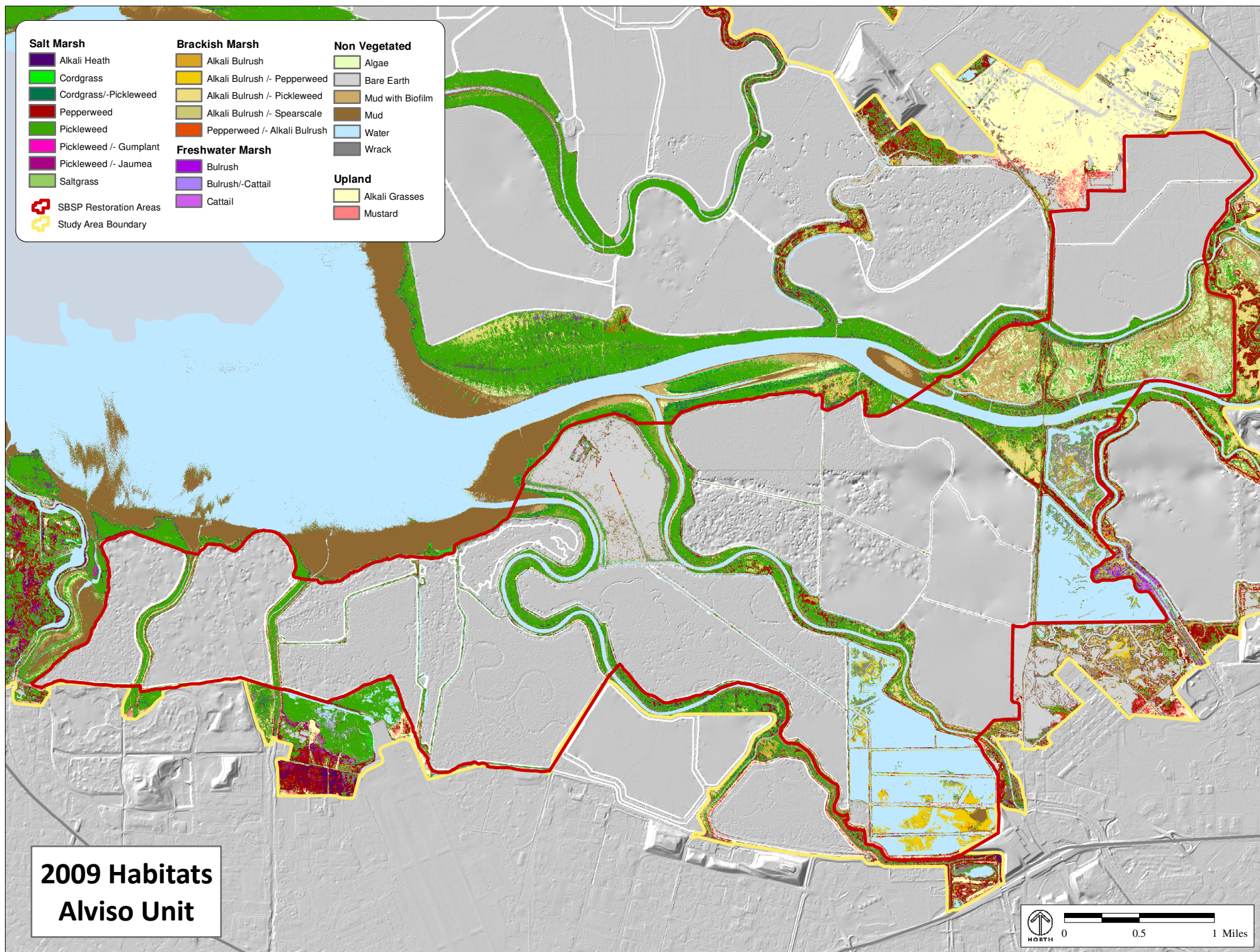
0 125 250 Feet

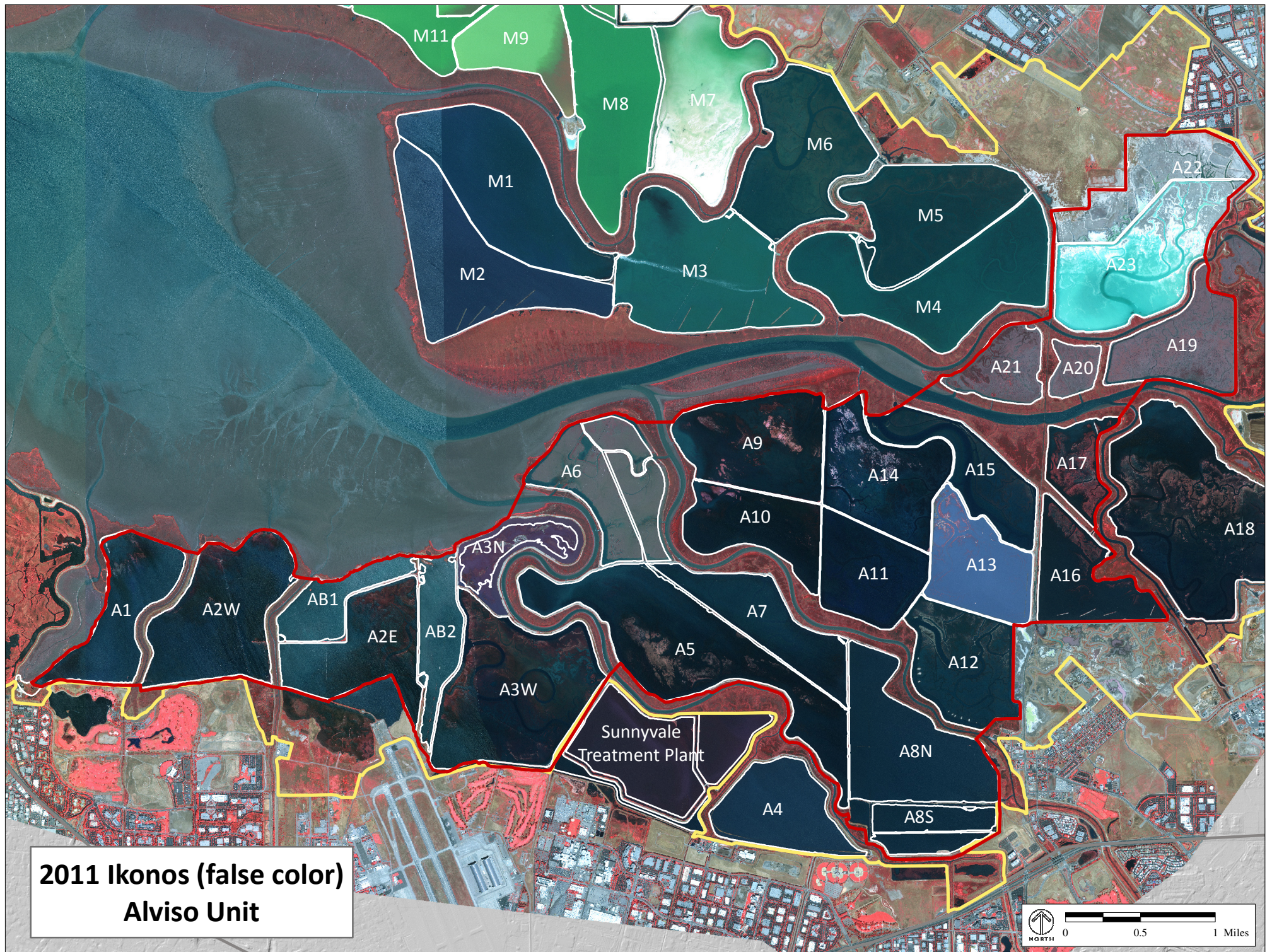


**2011 Ikonos (false color)
Triangle Marsh**

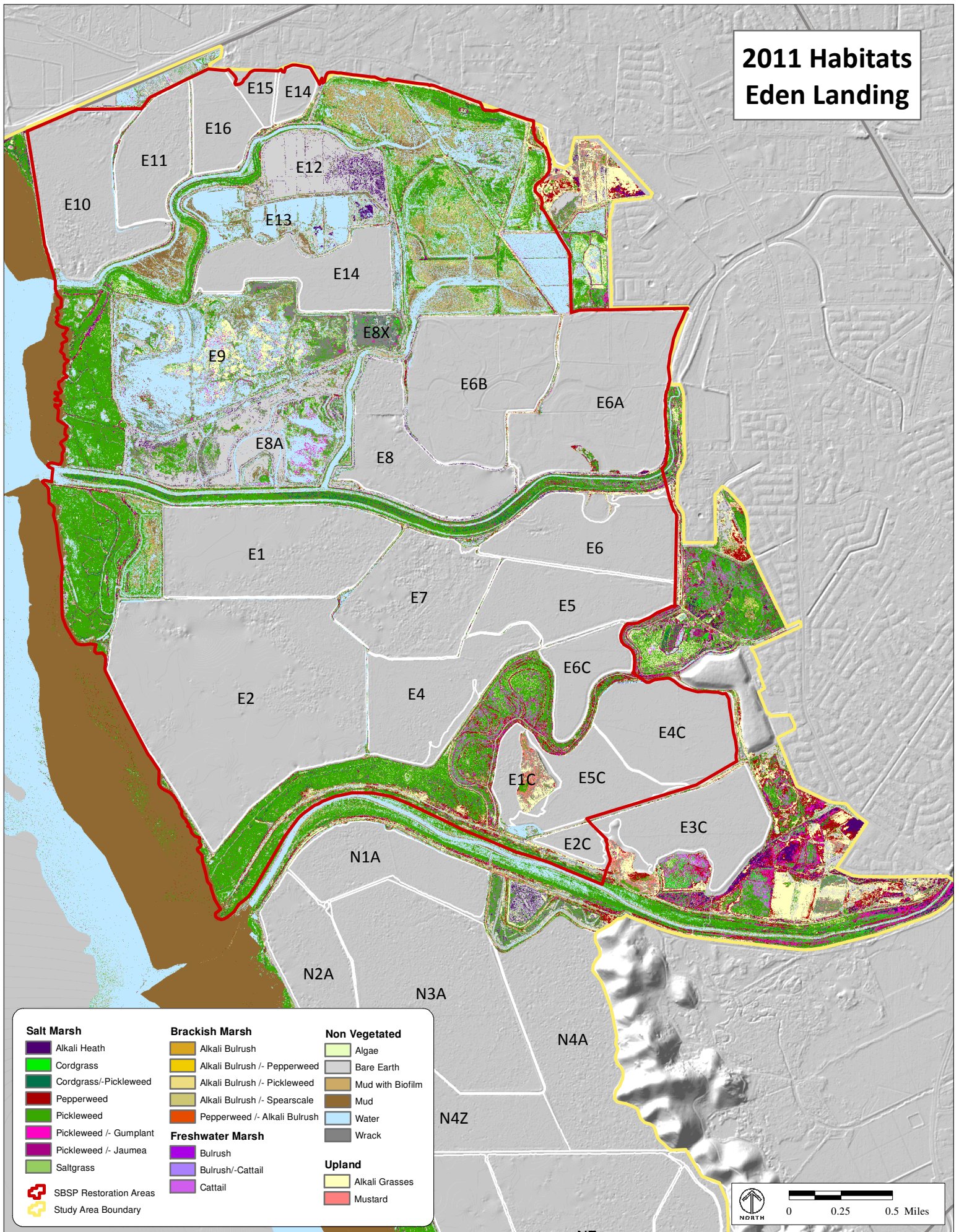




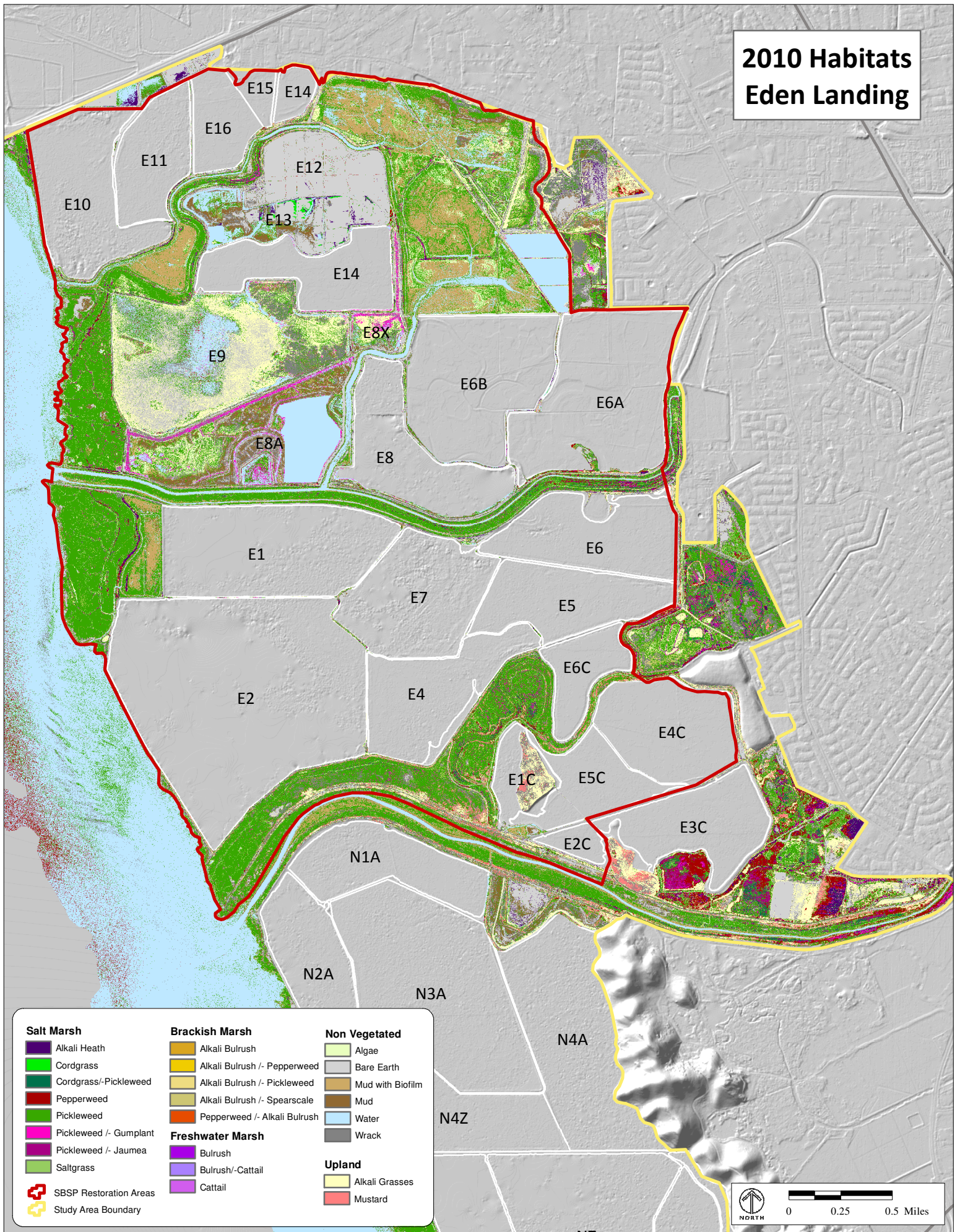




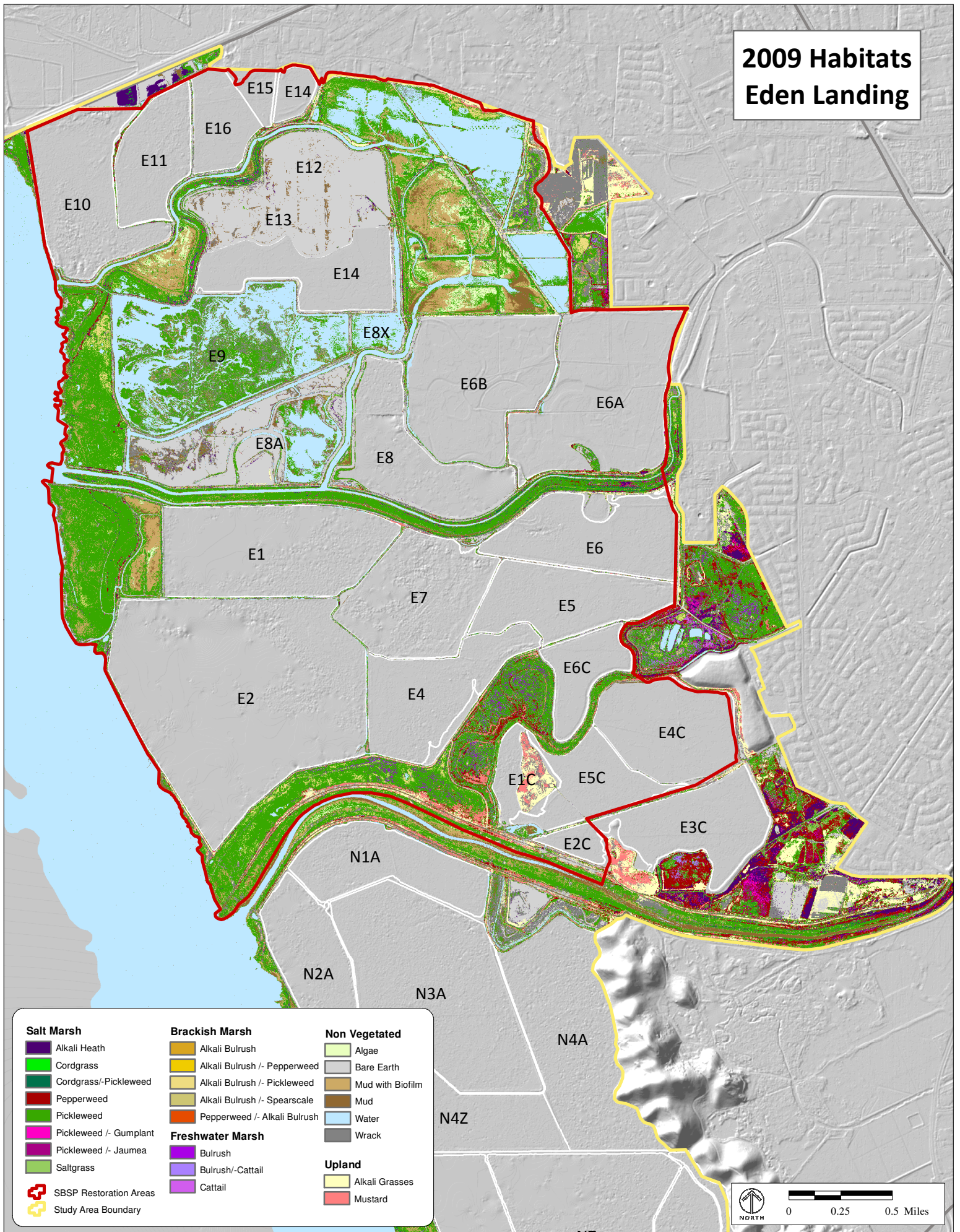
2011 Habitats Eden Landing



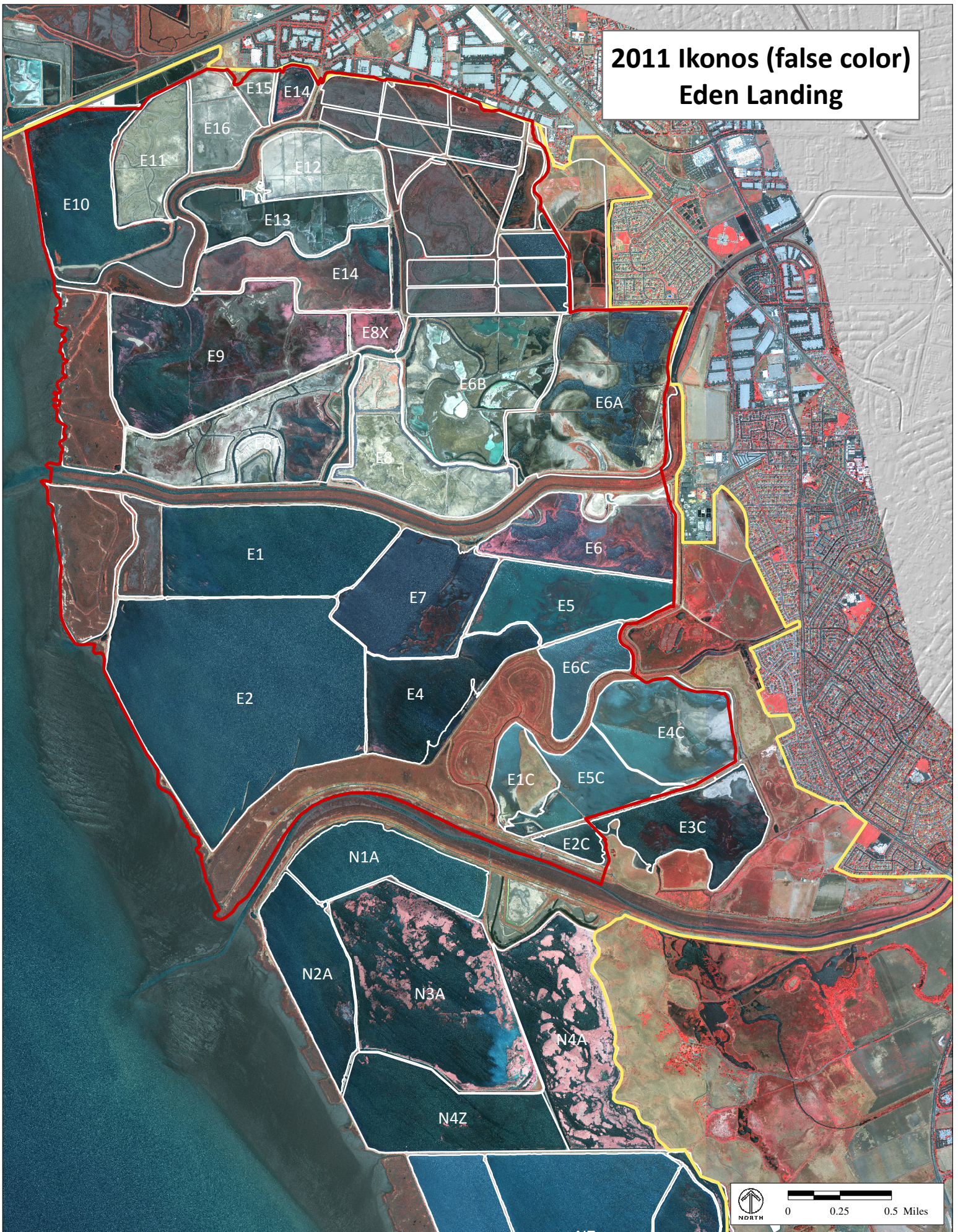
2010 Habitats Eden Landing



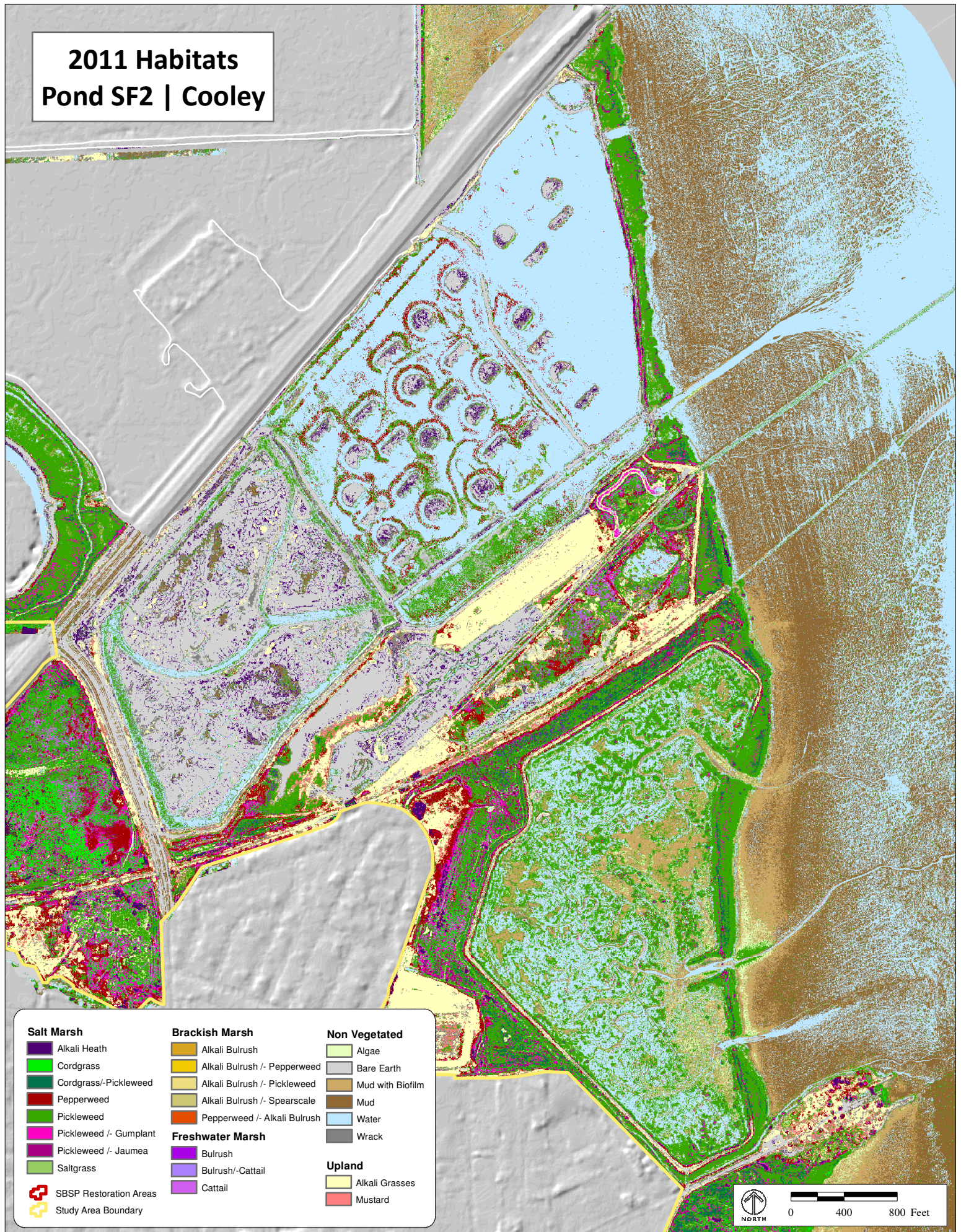
2009 Habitats Eden Landing



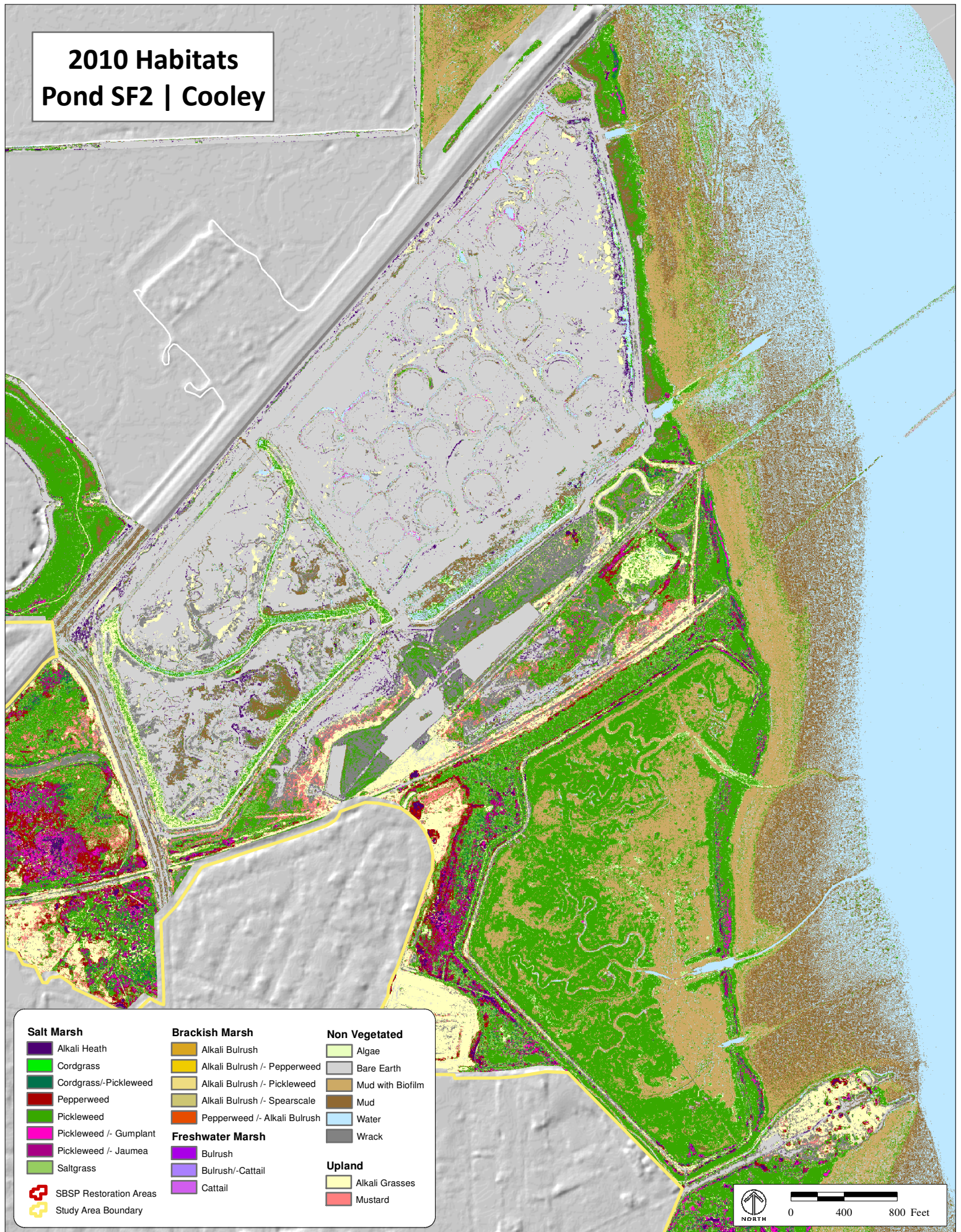
**2011 Ikonos (false color)
Eden Landing**



2011 Habitats Pond SF2 | Cooley



2010 Habitats Pond SF2 | Cooley



2009 Habitats
Pond SF2 | Cooley

Salt Marsh	Brackish Marsh	Non Vegetated	Upland
Alkali Heath	Alkali Bulrush	Algae	Alkali Grasses
Cordgrass	Alkali Bulrush /- Pepperweed	Bare Earth	Mustard
Cordgrass/-Pickleweed	Alkali Bulrush /- Pickleweed	Mud with Biofilm	
Pepperweed	Alkali Bulrush /- Spearscale	Mud	
Pickleweed	Pepperweed /- Alkali Bulrush	Water	
Pickleweed /- Gumplant		Wrack	
Pickleweed /- Jaumea	Freshwater Marsh		
Saltgrass	Bulrush		
	Bulrush/-Cattail		
	Cattail		
SBSP Restoration Areas			
Study Area Boundary			

0 400 800 Feet

Habitats and vegetation derived from June 23rd, 2009 (Ikonos).

**2011 Ikonos (false color)
Pond SF2 | Cooley**

