Conner Recovery Site Field Trip

October 6, 2010

The purpose of this field trip was to:

1. Observe whether People's 100 accurately represents the Conner Recovery site at high tide.
2. Observe what happens to debris as the tide recedes.

NOAA predicted the high tide on October 6 would reach 6.33 ft, just short of the 6.39 ft verified water level for People's 100 – that's less than ¾ of an inch difference. NOAA's preliminary water levels give the actual water level as 6.35, less than ½ inch lower than 6.39. Verified water levels won't be available until approximately December 6, 2010.

Wind data was also taken from the NOAA. The UC Berkeley station (BAAQMD) will not have wind data for this date till approximately January 6, 2011.

This report repeatedly calls attention to these critical water levels:

- ✓5.45 ft. = MHW, average of ***all high tides***
- ✓5.77 ft. = High tide on morning of April 12, 2003 (the storm)
- ✓5.88 ft. = High tide on morning of April 13, 2003
- ✓6.05 ft. = MHHW, average of ***all higher high tides***
- ✓6.39 ft. = People's 100

This report includes more than 150 pictures taken on October 6 to help the reader better understand what the Conner Recovery Site looks like at critical water levels and what happens to the debris as the tide recedes.

This PDF can be viewed in Full Screen Mode. Click View on the menu bar, then select Full Screen Mode and click through the pages. Go back to previous pages by right clicking.

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Tide Data

Center for Operational Oceanographic Products and Services Data Disclaimer

These raw data have not been subjected to the National Ocean Service's quality control or quality assurance procedures and do not meet the criteria and standards of official National Ocean Service data. They are released for limited public use as preliminary data to be used only with appropriate caution.

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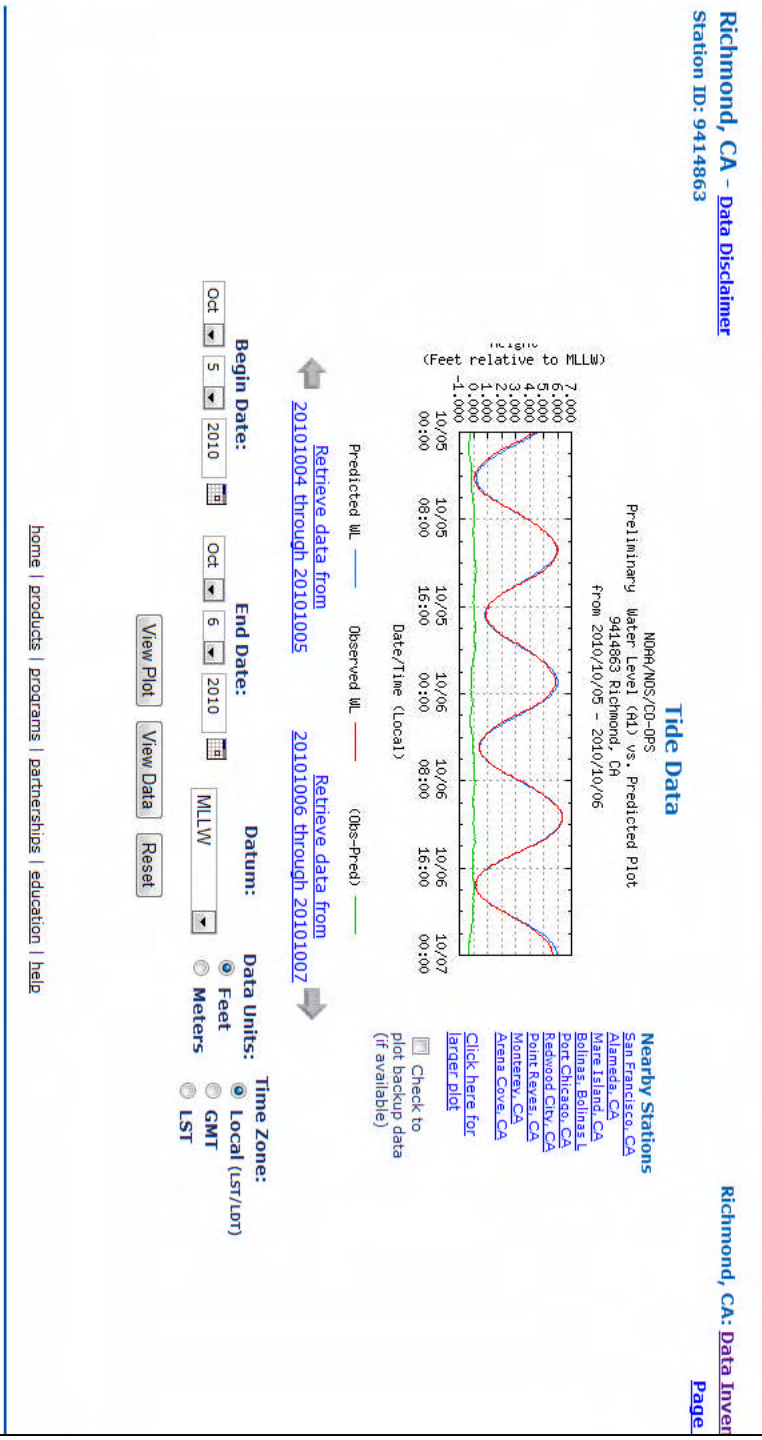
Tide Data

Station	Date	Time	Pred 6	Acoustc	Backup
DCP#:			1	1	2
Units:			Feet	Feet	Feet
Data%:	MLLW	Local	100.00	100.00	100.00
Maximum:			6.33	6.35	6.40
Minimum:			0.14	0.07	0.05
9414863	20101005	10:30	5.92	5.95	6.01
9414863	20101005	10:36	5.94	5.99	6.04
9414863	20101005	10:42	5.95	6.01	6.05
9414863	20101005	10:48	5.95	6.01	6.06
9414863	20101005	10:54	5.95	6.00	6.06
9414863	20101005	11:00	5.94	5.98	6.03
9414863	20101005	11:06	5.93	5.98	6.02
9414863	20101005	11:12	5.91	5.97	6.01
9414863	20101005	11:18	5.88	5.93	5.97
9414863	20101005	22:18	5.89	5.77	5.82
9414863	20101005	22:24	5.93	5.80	5.85
9414863	20101005	22:30	5.95	5.83	5.88
9414863	20101005	22:36	5.98	5.87	5.91
9414863	20101005	22:42	5.99	5.89	5.94
9414863	20101005	22:48	6.00	5.90	5.95
9414863	20101005	22:54	6.01	5.89	5.94
9414863	20101005	23:00	6.01	5.90	5.95
9414863	20101005	23:06	6.00	5.90	5.95
9414863	20101005	23:12	5.98	5.87	5.92
9414863	20101005	23:18	5.96	5.83	5.88
9414863	20101005	23:24	5.93	5.77	5.82
9414863	20101006	10:00	5.73	5.68	5.73
9414863	20101006	10:06	5.81	5.77	5.82
9414863	20101006	10:12	5.88	5.85	5.90
9414863	20101006	10:18	5.95	5.93	5.98
9414863	20101006	10:24	6.02	6.01	6.07
9414863	20101006	10:30	6.08	6.09	6.15
9414863	20101006	10:36	6.13	6.15	6.21
9414863	20101006	10:42	6.18	6.20	6.26
9414863	20101006	10:48	6.22	6.25	6.32
9414863	20101006	10:54	6.26	6.30	6.36
9414863	20101006	11:00	6.29	6.32	6.39
9414863	20101006	11:06	6.31	6.34	6.40
9414863	20101006	11:12	6.32	6.35	6.40
9414863	20101006	11:18	6.33	6.34	6.40
9414863	20101006	11:24	6.33	6.34	6.40
9414863	20101006	11:30	6.33	6.34	6.40
9414863	20101006	11:36	6.32	6.32	6.39
9414863	20101006	11:42	6.30	6.29	6.36
9414863	20101006	11:48	6.27	6.26	6.33
9414863	20101006	11:54	6.24	6.23	6.29
9414863	20101006	12:00	6.20	6.19	6.25
9414863	20101006	12:06	6.15	6.16	6.22
9414863	20101006	12:12	6.10	6.13	6.19
9414863	20101006	12:18	6.03	6.08	6.14
9414863	20101006	12:24	5.96	6.02	6.07



Preliminary Tide data (relevant excerpts from Oct 5th & 6th, with the graph superimposed on the right). Accoustc data has proven to be very reliable in the past, and is the data I used in this report. High tide peaks are indicated by orange blocking. Water levels during each 6-minute period are calculated as even increases, using Excel, rounded to the next hundredth of a foot.

Richmond, CA

Station ID: 9414863

Richmond, CA: Data Inventory

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Meteorological Observations

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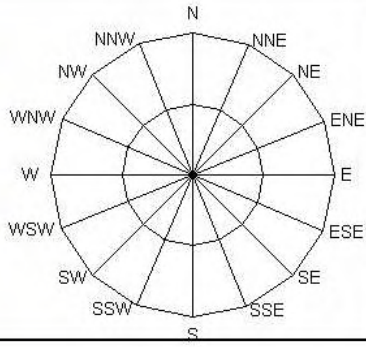
Meteorological Observations

Station	Date	Time	Wind Sp	Wind Dr	Wind Gt	Air Tmp	H2O Tmp	Baro Pr
DCP#:			1	1	1	1	1	1
Units:			Knots	Degrees	Knots	Fahrnht	Fahrnht	mbars
Data%: StnDtm		Local	100.00	100.00	100.00	100.00	100.00	100.00
Maximum:			11.469	356.000	17.495	66.51	62.85	1019.40
Minimum:			0.000	3.000	1.361	55.54	59.14	1012.30
9414863	20101005	10:30	5.054	174.000	7.775	59.38	62.28	1013.80
9414863	20101005	10:36	4.471	184.000	7.192	59.81	62.28	1013.80
9414863	20101005	10:42	6.220	169.000	8.359	59.31	62.29	1013.80
9414863	20101005	10:48	5.832	168.000	8.553	59.50	62.29	1013.90
9414863	20101005	10:54	6.803	163.000	8.164	59.43	62.29	1014.00
9414863	20101005	11:00	7.192	162.000	7.970	59.72	62.24	1014.00
9414863	20101005	11:06	7.775	163.000	8.942	59.54	62.24	1013.90
9414863	20101005	11:12	7.775	163.000	8.942	59.49	62.31	1013.90
9414863	20101005	11:18	6.998	164.000	8.942	59.54	62.31	1014.00
9414863	20101005	22:18	6.220	233.000	11.274	59.22	61.65	1014.30
9414863	20101005	22:24	5.443	215.000	11.663	59.43	61.63	1014.50
9414863	20101005	22:30	5.054	216.000	10.497	59.45	61.61	1014.50
9414863	20101005	22:36	5.054	200.000	7.970	59.81	61.61	1014.50
9414863	20101005	22:42	6.609	193.000	10.108	59.72	61.61	1014.40
9414863	20101005	22:48	4.471	209.000	9.914	59.52	61.65	1014.40
9414863	20101005	22:54	3.888	230.000	7.192	59.16	61.66	1014.40
9414863	20101005	23:00	3.888	220.000	7.192	59.34	61.68	1014.40
9414863	20101005	23:06	4.082	226.000	7.192	59.27	61.70	1014.50
9414863	20101005	23:12	3.305	238.000	6.415	59.14	61.72	1014.60
9414863	20101005	23:18	4.860	232.000	8.747	58.62	61.72	1014.40
9414863	20101005	23:24	7.775	228.000	11.469	58.42	61.72	1014.30
9414863	20101006	10:00	1.749	192.000	3.110	60.57	61.54	1016.60
9414863	20101006	10:06	1.749	201.000	3.305	61.00	61.52	1016.50
9414863	20101006	10:12	2.333	208.000	3.305	60.75	61.54	1016.50
9414863	20101006	10:18	1.944	198.000	3.693	61.27	61.54	1016.60
9414863	20101006	10:24	1.555	199.000	3.499	61.61	61.50	1016.60
9414863	20101006	10:30	1.749	202.000	3.110	61.16	61.50	1016.80
9414863	20101006	10:36	1.166	210.000	1.944	61.65	61.47	1016.80
9414863	20101006	10:42	1.944	172.000	2.916	61.57	61.41	1016.80
9414863	20101006	10:48	0.583	182.000	2.916	62.17	61.38	1016.90
9414863	20101006	10:54	0.583	265.000	1.944	61.02	61.38	1016.90
9414863	20101006	11:00	0.583	305.000	1.749	61.20	61.38	1017.00
9414863	20101006	11:06	1.166	253.000	2.138	61.99	61.38	1017.00
9414863	20101006	11:12	0.778	62.000	2.721	63.86	61.34	1016.80
9414863	20101006	11:18	0.778	62.000	2.721	63.81	61.39	1016.80
9414863	20101006	11:24	1.555	158.000	3.305	63.66	61.39	1016.80
9414863	20101006	11:30	2.138	123.000	2.721	62.73	61.39	1016.80
9414863	20101006	11:36	1.749	124.000	3.110	62.74	61.41	1016.80
9414863	20101006	11:42	1.361	129.000	2.333	63.77	61.41	1016.80
9414863	20101006	11:48	2.138	144.000	2.916	63.41	61.43	1016.70
9414863	20101006	11:54	2.333	155.000	3.305	63.54	61.43	1016.80
9414863	20101006	12:00	1.361	141.000	2.527	65.28	61.43	1016.80
9414863	20101006	12:06	2.527	156.000	3.305	64.20	61.23	1016.80
9414863	20101006	12:12	3.110	156.000	3.693	63.12	61.05	1016.80
9414863	20101006	12:18	4.276	160.000	5.054	62.89	61.00	1016.70
9414863	20101006	12:24	5.054	161.000	5.637	62.92	61.02	1016.60

Cardinal Direction	Degree Direction
N	348.75 - 11.25
NNE	11.25 - 33.75
NE	33.75 - 56.25
ENE	56.25 - 78.75
E	78.75 - 101.25
ESE	101.25 - 123.75
SE	123.75 - 146.25
SSE	146.25 - 168.75
S	168.75 - 191.25
SSW	191.25 - 213.75
SW	213.75 - 236.25
WSW	236.25 - 258.75
W	258.75 - 281.25
WNW	281.25 - 303.75
NW	303.75 - 326.25
NNW	326.25 - 348.75



SPEED CONVERSIONS - KNOTS, MPH, KPH		
Knots	Miles per Hour	Kilometers per Hour
1	1.152	1.85
2	2.303	3.70
3	3.445	5.55
4	4.606	7.41
5	5.758	9.26
6	6.909	11.13
7	8.061	12.98
8	9.212	14.83
9	10.364	16.68
10	11.515	18.55

Begin Date: Oct 5 2010

End Date: Oct 6 2010

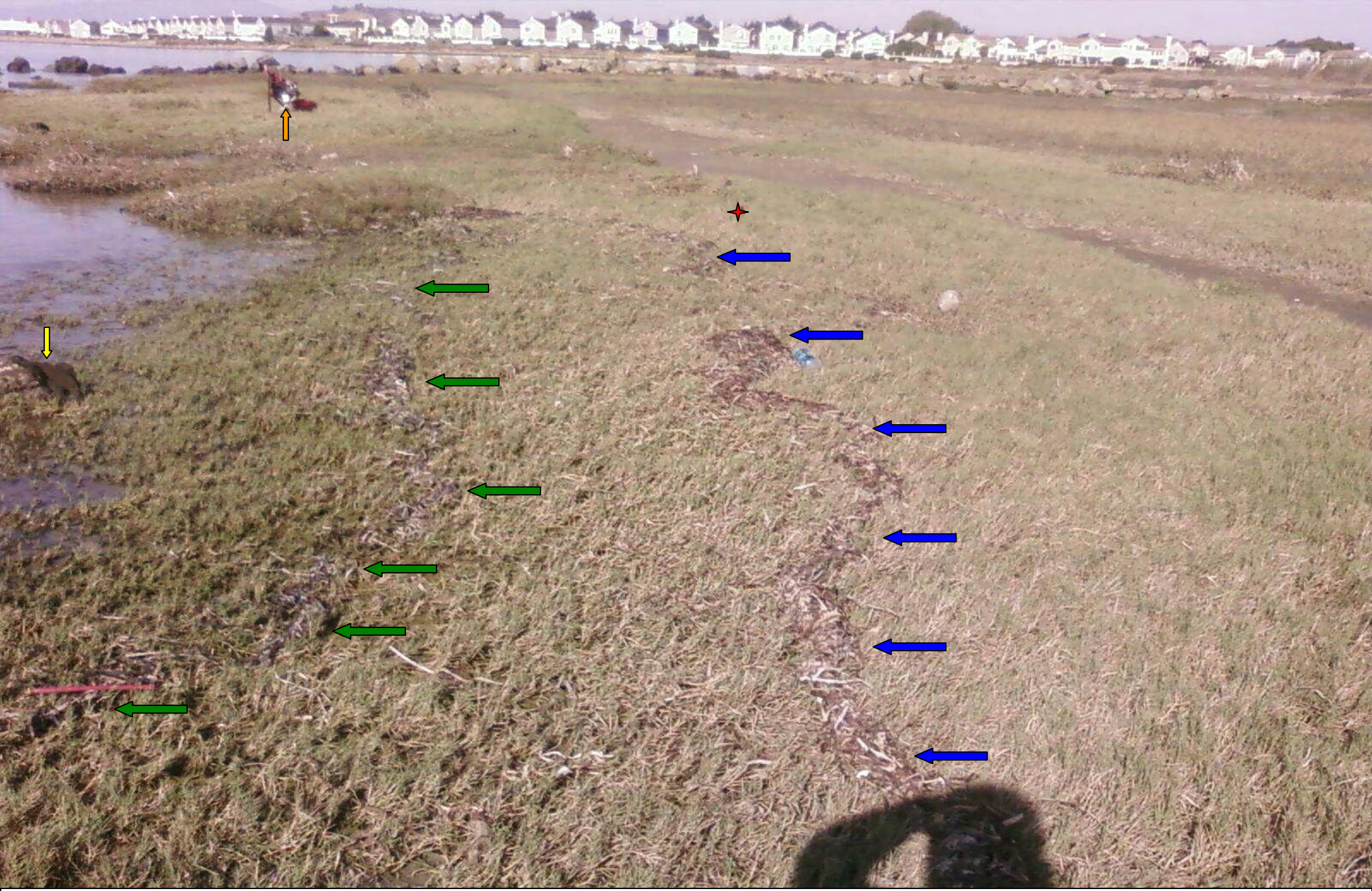
Interval: Six minute

Data Units: Fahrenheit - knots / Celsius - m/sec

Time Zone: Local / GMT / LST

View Plot | View Data | Reset

Preliminary Meteorological data. 1 knots = 1.15077945 mph. The wind speed conversion table is superimposed for easy conversion. The degrees chart and wind rose is superimposed to convert to cardinal directions. On the following pictures, wind data is given as a range: for example, 2.9-3.8 mph, where 2.9 is the wind speed and 3.8 is the wind gust. Data for a 6-minute time is assumed to be constant for the entire 6 minute period (example, 10:06 wind data is used for 10:06 through 10:11).



#318/10-6-10/10:06 a.m./PWL 5.77 ft/Winds SSW 2 – 3.8 mph. Looking to the West. Two distinct debris lines formed by tides on the 5th: PWL 6.01 ft at 10:42 a.m. S winds 5-10 mph (blue arrows); PWL 5.90 ft at 11:00 p.m. SW winds 4-8 mph (green arrows). The red star indicates the flag marking the approximate location Conner was found. The orange arrow points to my chair and stuff. As the water level rises, the rock (yellow arrow) will be a good indication of water depth.

#319/10-6-10/10:06 a.m./PWL 5.77 ft/Winds SSW 2 – 3.8 mph. Looking to the South. You can see the reflection of the breakwater rocks in the water. Green arrows are the 5.90 debris line from the 5th; and the blue arrows are the 6.01 debris line from the 5th. The yellow arrow points to the rock that will be a good indication of the water depth as the tide rises. The red flag is next to the rock that was used to mark the approximate location of Conner's body, as measured on August 14, 2009 using a Nikon ProStaff 550 Laser.

#320/10-6-10/10:07 a.m./PWL 5.78 ft/Winds SSW 2 – 3.8 mph. Looking to the SE corner. Green arrows are the 5.90 debris line and the blue arrows are the 6.01 debris line from the 5th. The orange arrow points to a very large orange styro-foam type object, about 5' long, 2'wide, and 1' tall. The turquoise arrow points to a tidal pool along the dirt path left over from high tides on the 5th. The stuffed animals do not show in this picture because they have not been washed far enough by the waves. The grass, which forms a natural barrier to debris, nonetheless becomes saturated with the rising tide.

#321/10-6-10/10:09 a.m. /PWL 5.81 ft/Winds SSW 2 – 3.8 mph. Looking towards the Albany Bulb (red star). I brought 5 stuffed animals with me for the debris line and I threw 2 into the rocks (white arrows). What lurks beneath this calm surface are many rocks with very sharp, rough edges. The inset picture, taken at a very low tide, shows the rocks that comprise this section of the breakwater. From the front to the back of the top row of rocks (red line) is about 8-12 feet (estimated). The 5.77 ft higher high tide on April 12, 2003, during the storm, experienced winds of 26-32 mph (NOAA Richmond) or 20-32 mph (UC Berkeley). 5.81 feet is less than ½ inch more than 5.77 feet. The 5.88 ft higher high tide on April 13, 2003 experienced winds of 17-21 mph (NOAA Richmond) or 14-23 mph (UC Berkeley). 5.88 feet is about 7/8 inch more than the 5.81 feet captured in this picture, or about 1 1/3 inch more than 5.77.

#322/10-6-10/10:09 a.m./PWL 5.81 ft/Winds SSW 2 – 3.8 mph. Albany Bulb (red star). 4 of the stuffed animals show in this picture; one I threw into the rocks is now laying atop a rock (white arrow). The green arrows show the 5.90 debris line and the blue arrow the 6.01 debris line from the 5th. The position of the stuffed animals compared to the extent of the water coverage shows that the grass and the slight slope forms a barrier for the debris line but does not prevent tidal pooling north of the debris line. Conner was found in a tidal pool north of the debris line.

#323/10-6-10/10:10 a.m./PWL 5.82 ft/Winds SSW 2 – 3.8 mph. Looking towards the SW. Brooks Island in the upper left (red star). 4 of the stuffed animals show in this picture, one is still behind the big rock (yellow star). The green arrows show the 5.90 debris line from the 5th. The little rock (turquoise star) will be a good indicator of the water depth as the high tide comes in. You can see the gentle slope from the south to the north – the mudflat is not flat. The yellow arrow points to my red chair and stuff.

#324/10-6-10/10:10 a.m./PWL 5.82 ft/Winds SSW 2 – 3.8 mph. Looking Westward. Brooks Island in the upper left (red star). 3 of the stuffed animals show in this picture, one is still behind the big rock (white arrow). This picture shows more of the rocks that form the breakwater. A number of the smaller rocks still protrude above the water, with many more just under the surface. The yellow arrow points to my red chair and stuff.

#325/10-6-10/10:10 a.m./PWL 5.82 ft/Winds SSW 2 – 3.8 mph. Looking straight at Brooks Island (red star). The right arrow points to the stuffed animal still behind the large rock. To the left in this picture you can see the size of the rocks in the breakwater, which do much more to block the waves than the section just to the west. In strong winds at this water level, the waves would be pounding against these rocks. The water level on April 12, 2003, during the storm, was 5.77 ft (verified by NOAA).

#326/10-6-10/10:10 a.m./PWL 5.82 ft/Winds SSW 2 – 3.8 mph. Looking NNW. The 5.90 ft debris line is still intact (green arrows). The 6.01 debris line is marked with blue arrows. The red star marks the approximate location where Conner's body was found. One stuffed animal is still behind the rock.

#327/10-6-10/10:12 a.m./PWL 5.85 ft/Winds SSW 2.7 – 3.8 mph. Looking NNW. The 5.90 ft debris line is still intact (green arrows), and the 6.01 debris line is marked with blue arrows. The red star marks the approximate location where Conner's body was found. One stuffed animal is still behind the rock. The inset picture gives a perspective on the layout of the mudflat. The blue stars mark where the beach leads to the mudflat; and the green stars mark the Bay Trail bridge. On the inset you can see all the creeks and ponds in the mudflat north of the path marked by the arrows. As the high tide comes in, these creeks and ponds will fill and then overflow, being fed mostly by the Meeker Slough, that large channel that runs under the Bay Trail bridge and westward into the Bay

#328/10-6-10/10:12 a.m./PWL 5.85 ft/Winds SSW 2.7 – 3.8 mph. Looking at the SW corner, which has a low breakwater and lets in a lot of water. Brooks Island is marked by the red star. In the next few pictures, I pan to the East, marking reference rocks in each picture with a white arrow.

#329/10-6-10/10:12 a.m./PWL 5.85 ft/Winds SSW 2.7 – 3.8 mph. Panning East from the SW corner. The right white arrow is the reference rock from picture #328. This section of breakwater is fairly compact. Brooks Island is marked by the red star.

#330/10-6-10/10:12 a.m./PWL 5.85 ft/Winds SSW 2.7 – 3.8 mph. Still panning East to capture another section of the breakwater. The right white arrow is the reference rock from picture #329. This section of breakwater is not as compact. Albany Bulb is marked by the red star.

#331/10-6-10/10:12 a.m./PWL 5.85 ft/Winds SSW 2.7 – 3.8 mph. Still panning East to capture another section of the breakwater. The right white arrow is the reference rock from picture #330. Though it doesn't look like it from this angle, half of this breakwater section is right in front (south) of the grassy section where Conner was found. The red star marks Albany Bulb.

#332/10-6-10/10:13 a.m./PWL 5.86 ft/Winds SSW 2.7 – 3.8 mph. Still panning East to the SE corner. The white arrow is the reference rock from picture #331. This angle captures the slope of the terrain from the south to the north, reaching its peak in the high ridge/tall brush area (red arrows).

#334/10-6-10/10:26 a.m./PWL 6.04 ft/Winds SSW 1.8 – 4.0 mph. 13 minutes have passed since picture #332, and the water level has risen 2.16 inches. The 5.90 ft debris line from the 5th is obliterated by the new debris line which includes the stuffed animals, but the 6.01 debris line is still in place. The water level is now above the 5.88 ft high tide on April 13,2004, which allegedly washed baby Conner ashore. 6.05 ft is MHHW – the average of all higher high tides. Obviously the breakwater does its job protecting the mudflat against average higher high tides. The rock (green star) is now about half submerged. The yellow arrows indicate where the water is flowing between the grassy sections to fill the dirt path. The red star marks the approximate location of Conner's body.

#335/10-6-10/10:27 a.m./PWL 6.05 ft/Winds SSW 1.8 – 4.0 mph. This is what the mudflat looks like in the southeastern section at MHHW with calm winds. The 6.01 debris line is still in place, but tidal pools are north of it. South winds during the 6.01 tide were a bit stronger, 5-8 mph. The yellow arrow marks a tidal pool on the dirt path from high tides on the 5th. The section of breakwater marked by the green stars has let in very little water compared to he section marked by the orange star. However, the mudflat is no where near what is depicted in People's 100 (the inset), which was pawned off on the Court as an accurate representation of the mudflat at all high tides. It doesn't even accurately represent the mudflat at MHHW, the average of all higher high tides.

#336/10-6-10/10:27 a.m./PWL 6.05 ft/Winds SSW 1.8 – 4.0 mph. This shows the newly-forming debris line (green arrows) relative to the 6.01 debris line from the 5th (blue arrows) The extent of water coverage is well past the newly-forming debris line, and even past the 6.01 debris line in some places. Notice the irregular arc of the 6.01 debris line compared to the newly-forming line. The green star at the top marks the Albany Bulb, and the red flag at the bottom marks the approximate location of Conner's body.

#337/10-6-10/10:27 a.m./PWL 6.05 ft/Winds SSW 1.8 – 4.0 mph. Looking to the west. Taken at the same water level as #336, but this angle shows the newly-forming debris line (green arrows) much better. The inset of People's 100 shows how much of a blatant lie it is to say that it depicts the mudflat at high tide. The orange arrows show the only water in this SW section that is from the current rising tide. 6.05 ft is not the average of all high tides, it's the average of all higher high tides. The yellow arrow in the inset points to the SW corner, also indicated in main picture by the yellow arrow. The green star marks Brooks Island, and the red star the approximate location of Conner's body.

#338/10-6-10/10:28 a.m./PWL 6.06 ft/Winds SSW 1.8 – 4.0 mph. Blue arrows are the newly-forming debris line, which includes the heavier stuffed animals as well as the light debris. Green arrows show the 6.01 debris line from the 5th still intact. Red star indicates approximate location of Conner's body. Yellow arrow points to the rock that is the same rock marked by the yellow arrow in the inset, showing the effect of a 3.48 inch rise in water level (5.77->6.06). Yellow star marks the yellow bird that I threw westward to be more in the area of where Conner's body was found.

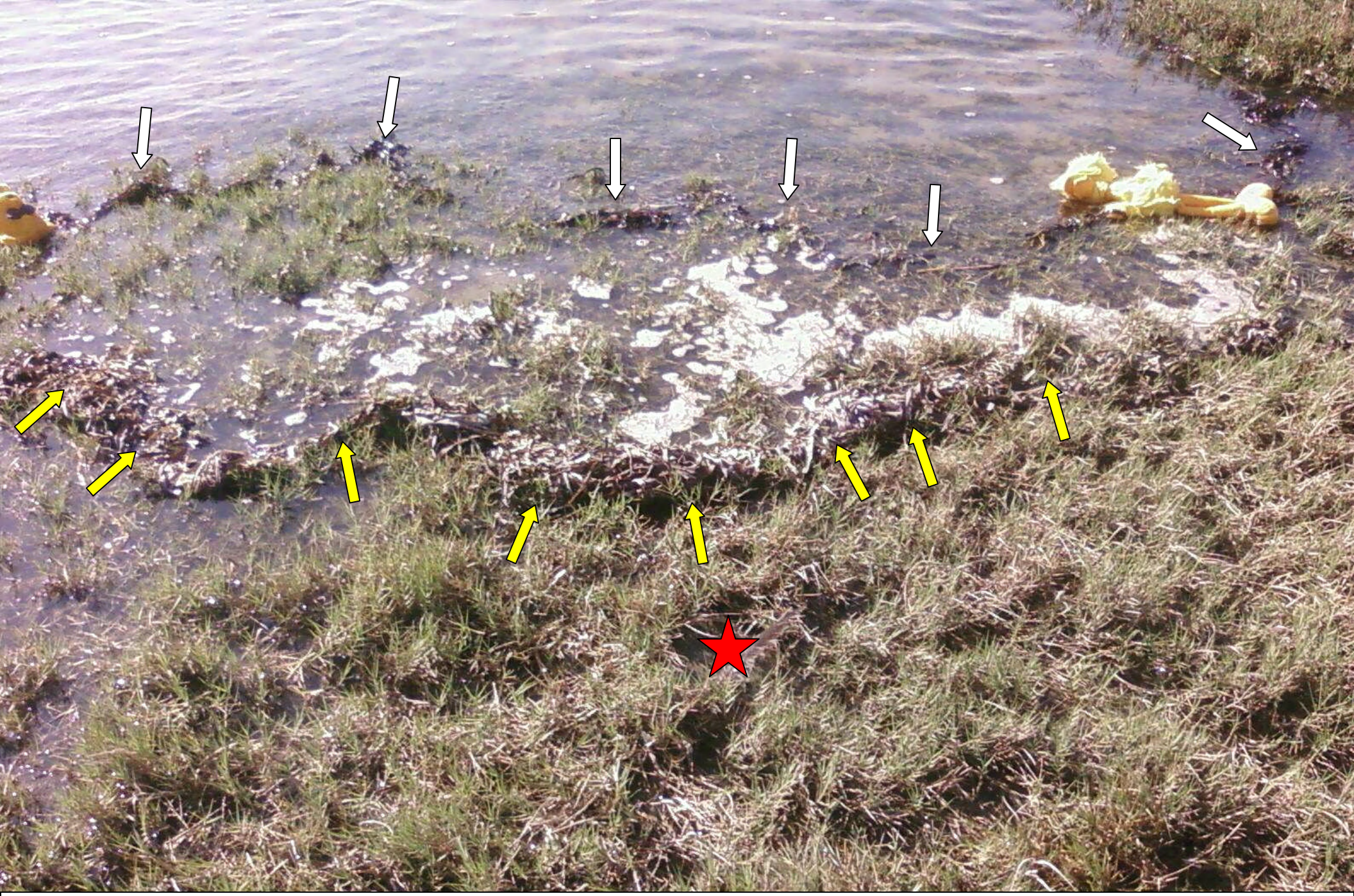
#339/10-6-10/10:28 a.m./PWL 6.06 ft/Winds SSW 1.8 – 4.0 mph. Yellow arrow and star mark the stuffed bird that I threw westward to be more in the area of where Conner was found, which hasn't yet had an opportunity to catch up to the debris line. Water saturation is well north of the debris line (blue arrows) and even past 6.01 debris line from the 5th (green arrows). The difference between the 2 debris lines is wind speed which increases the wave activity which pushes the debris line. Orange arrows show the water from this high tide that is filling the dirt path. Red star marks approximate location of Conner's body.

#340/10-6-10/10:29 a.m./PWL 6.08 ft/Winds SSW 1.8 – 4.0 mph. Looking directly at the south breakwater. Yellow bird (yellow arrow) has quickly caught up with the debris line from this high tide. This close-up picture shows the standing water in the grass to the left of the red flag (red star), the approximate location of Conner's body, compared to no visible standing water to its right. A baby found in the water behind the debris line (blue arrows) would not have ***washed ashore***, unless it did so in a previous tide. The higher high tide on Apr 13, 2003 was 5.88 ft, and the higher high tide on the 12th was only 5.77 ft. Washing ashore during the higher high tide on the 12th would mean being on the shore more than 30 hours, an open prey for birds and insects. No birds or insects bothered Baby Conner.

#341/10-6-10/10:31 a.m./PWL 6.10 ft/Winds SSW 2 – 3.6 mph. Looking towards Brooks Island (yellow star). Blue arrows mark the debris line from this high tide, and the green lines from the 6.01 ft high tide from the 5th. Differences in wind speed explains why the current debris line is still in front/south of the 6.01 debris line. Wind speeds during the 6.01 high tide were 5-10 mph. Red flag/star marks the approximate location of Conner's body.

#342/10-6-10/10:32 a.m./PWL 6.11 ft/Winds SSW 2 – 3.6 mph. The water is beginning to seep onto the dirt path. White arrows point to a still intact 6.01 debris line from the 5th. This portion of the 6.01 debris line had the furthest reach north. The yellow arrow points to water that has almost reached the path.

#343/10-6-10/10:32 a.m./PWL 6.11 ft/Winds SSW 2 – 3.6 mph. Exact time as #342, showing the dirt path to the west, which is not yet filled with water.



#344/10-6-10/10:32 a.m./PWL 6.11 ft/Winds SSW 2 – 3.6 mph. Close-up of the 2 debris lines – the one from this current, still-rising high tide (white arrows) and the 6.01 ft high tide from the 5th (yellow arrows). The red star marks a 2nd possible location for Conner's body, as indicated by a rock placed on August 13, 2009 after manually measuring 173 feet from the west breakwater and 24 feet from the south breakwater.

#345/10-6-10/10:34 a.m./PWL 6.13 ft/Winds SSW 2 – 3.6 mph. Close-up of the 2 debris lines – the one from this current, still-rising high tide (white arrows) and the 6.01 ft high tide from the 5th (yellow arrows). The red star marks the most probable location of Conner's body. All 5 stuffed animals are visible.

#347/10-6-10/10:34 a.m./PWL 6.13 ft/Winds SSW 2 – 3.6 mph. More evidence that the mudflat does not look like People's 100 (inset) at high tide. 6.13 ft is 3" higher than 5.88 (high tide on April 13, 2003) and an inch higher than 6.05, MHHW. Yellow arrows point towards the SW corner, for perspective.

#348/10-6-10/10:34 a.m./PWL 6.13 ft/Winds SSW 2 – 3.6 mph. Looking towards the SE corner. The inset is an aerial view of the same section of the mudflat. Orange arrows indicate the dirt path, and the yellow arrows indicate the water from one of the creeks north of the dirt path. The inset shows other creeks and ponds, too. White arrow points to the very large Styrofoam object noted in earlier pictures.

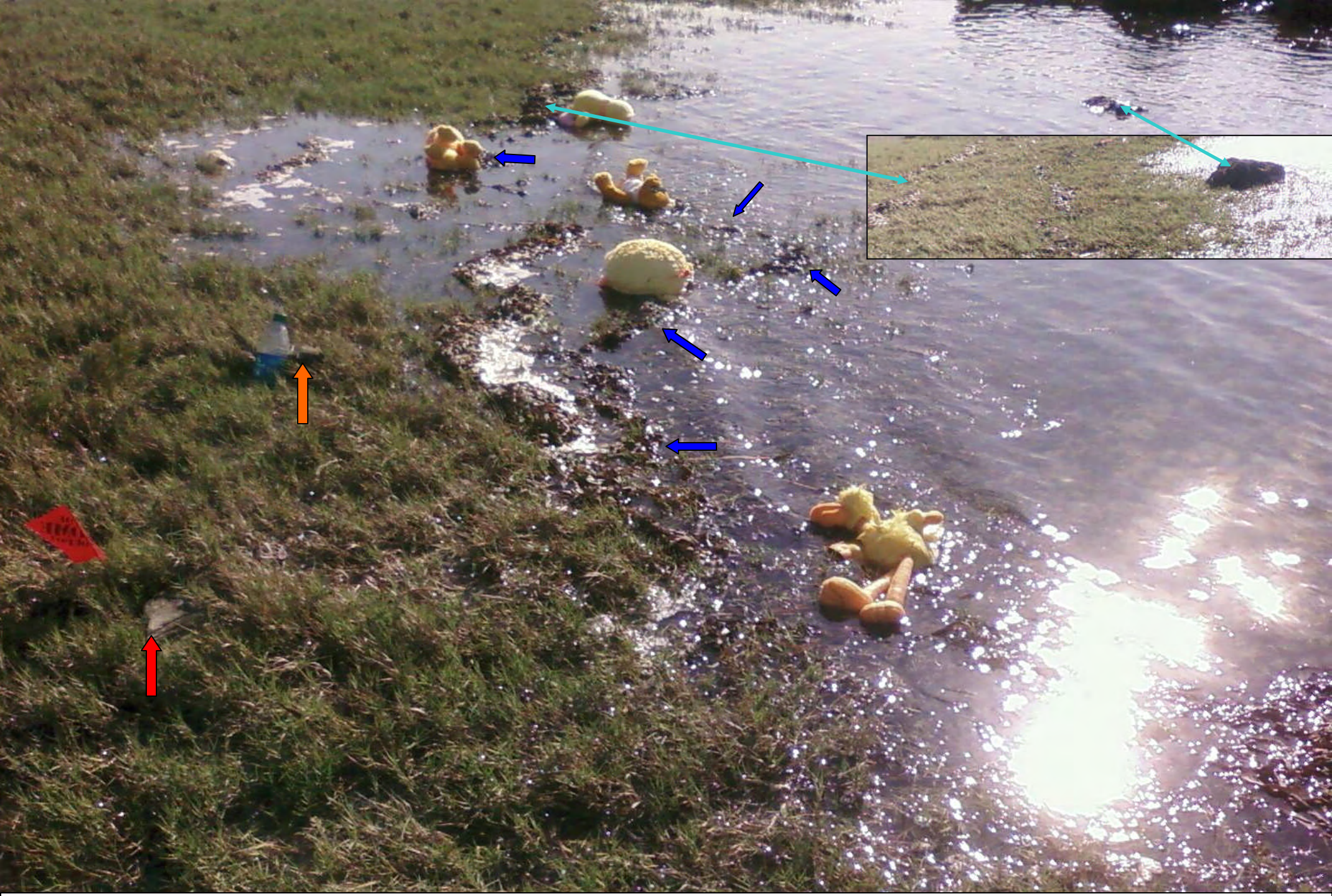
#349/10-6-10/10:35 a.m./PWL 6.14 ft/Winds SSW 2 – 3.6 mph. Close-up of the two debris lines – one from this rising tide (blue arrows) and the one from the 6.01 tide on the 5th (orange arrows). Lots of standing water north of the debris lines. Conner was found in a tidal pool north of the debris line.

#350/10-6-10/10:36 a.m./PWL 6.15 ft/Winds SSW 1.3 – 2.2 mph. The debris line from today's rising tide (blue arrows) is almost merged with the 6.01 ft debris line from the 5th (orange arrows). White arrow points to Brooks Island. Red star marks approximate location of Conner's body.

#351/10-6-10/10:36 a.m./PWL 6.15 ft/Winds SSW 1.3 – 2.2 mph. Orange star marks Brooks Island. Red star marks approximate location of Conner's body.

#352/10-6-10/10:37 a.m./PWL 6.16 ft/Winds SSW 1.3 – 2.2 mph. I put the water bottle up against the rock (orange star) that marked the alternate location for Conner's body (manual measurement). Red star marks most probable location for Conner's body based on laser measurements.

#353/10-6-10/10:39 a.m./PWL 6.17 ft/Winds SSW 1.3 – 2.2 mph. Close up of the water bottle leaning against the rock placed after manually measuring 173 ft from the west breakwater and 24 feet from the south breakwater on August 3, 2009. Lots of standing water north of the debris lines.



#354/10-6-10/10:39 a.m./PWL 6.17 ft/Winds SSW 1.3 – 2.2 mph. Red arrow points to rock marking laser measurement of Conner's location; orange arrow to rock marking manual measurement. Blue arrows marks the debris line for this rising tide. Inset shows the rock from #320 taken at 10:07, PWL 5.78 – water level difference is 4.68 inches.

#355/10-6-10/10:39 a.m./PWL 6.17 ft/Winds SSW 1.3 – 2.2 mph. Red arrow points to rock marking laser measurement of Conner's location; orange arrow to rock marking manual measurement. Blue arrows mark the debris line for this rising tide. White arrow points to dirt path. The standing water around the red arrow rock is visible.

#356/10-6-10/10:40 a.m./PWL 6.18 ft/Winds SSW 1.3 – 2.2 mph. Red arrow points to rock marking laser measurement of Conner's location; orange arrow to rock marking manual measurement. Blue arrows mark the debris line for this rising tide. White arrow points to dirt path. The standing water around the red arrow rock is visible.

#357/10-6-10/10:40 a.m./PWL 6.18 ft/Winds SSW 1.3 – 2.2 mph. Red arrow points to rock marking laser measurement of Conner's location; orange arrow to rock marking manual measurement. The standing water around the red arrow rock is visible.

#358/10-6-10/10:51 a.m./PWL 6.28 ft/Winds S 0.7 – 3.4 mph. Red arrow points to rock marking laser measurement of Conner's location; orange arrow to rock marking manual measurement. It's been 11 minutes and a 1.2 inch rise in water level since #356 (inset).

#359/10-6-10/10:52 a.m./PWL 6.28 ft/Winds S 0.7 – 3.4 mph. Large pond of water in the northwest section of the mudflat. Red arrow marks access from the beach; blue arrow marks the Bay Trail bridge. 6.28 ft is 2.76 inches above MHHW, and 4.8 inches above the 5.88 ft high tide on April 13, 2003. The mudflat is now looking like People's 100.

#360/10-6-10/10:53 a.m./PWL 6.29 ft/Winds S 0.7 – 3.4 mph. Panning to the east. Red arrow marks access from the beach; blue arrow marks the Bay Trail bridge; white arrow marks north breakwater. The water north of the dirt path (yellow arrows) comes from the Meeker Slough, which feeds all of the creeks and ponds (see inset)

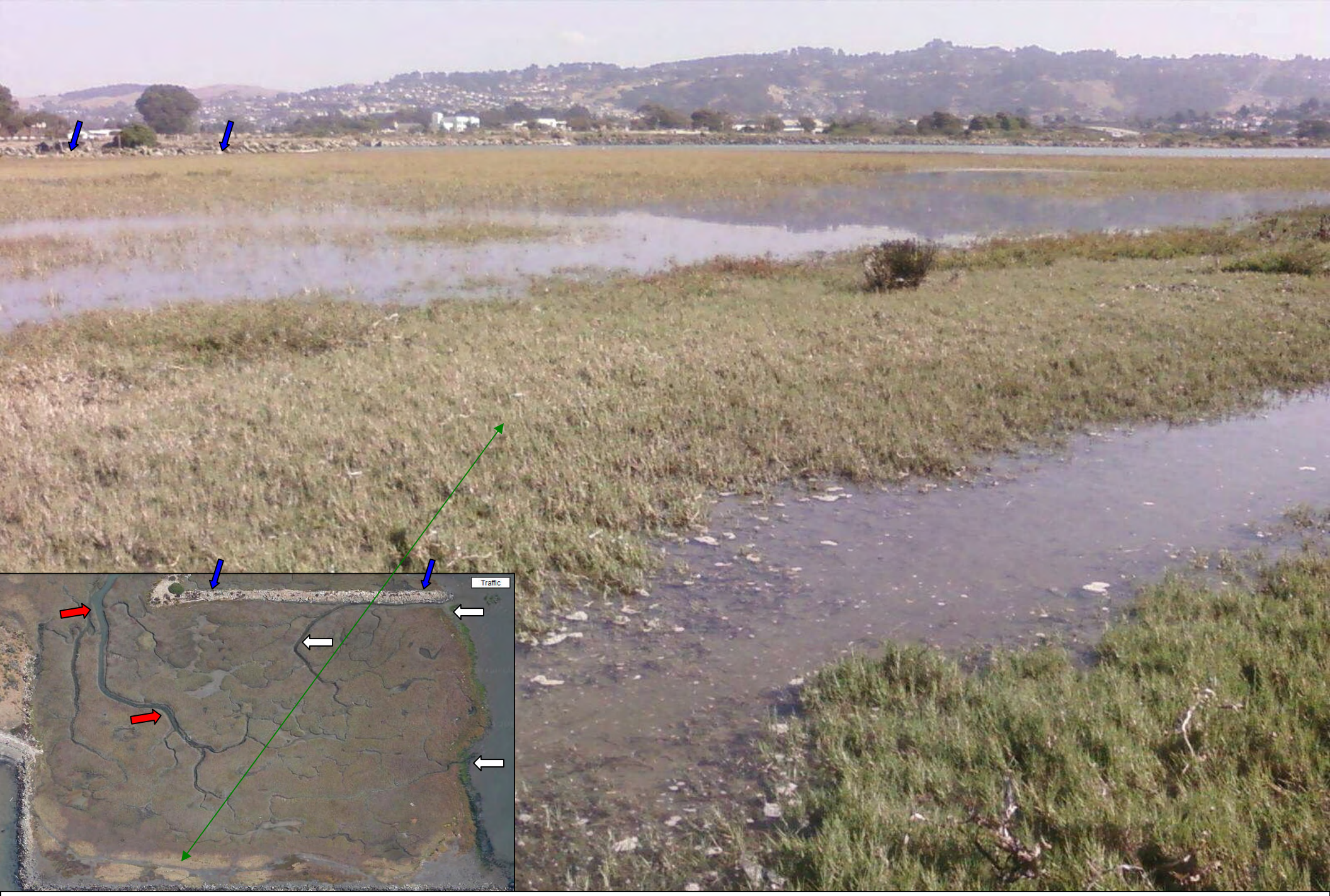
#361/10-6-10/10:53 a.m./PWL 6.29 ft/Winds SSW 0.7 – 3.4 mph. The SW corner, which has two very low places in its breakwater (yellow arrows). These grass areas are higher ground than the rest of the mudflat. Your feet will get wet walking through them, but at this water level they are not saturated or submerged as other areas are. Green arrow, very large cargo ship.

#363/10-6-10/10:55 a.m./PWL 6.30 ft/Winds W 0.7 - 2.2 mph. A good view of the amount of water in the SE section of the mudflat. Red arrow points to large Styrofoam object (inset #320), which has moved. The rock in #320 (inset) is barely visible. Blue arrow is water from the ponds/creeks. White arrow is the dirt path. Yellow arrow points to a boat (I don't know which direction it came from). Red star is approximate location of Conner's body.

#364/10-6-10/10:55 a.m./PWL 6.30 ft/Winds W 0.7 - 2.2 mph. Shows more of the water on the Eastern part of the mudflat (blue arrow). White arrow is the dirt path. Red arrow points to large Styrofoam object. Red star marks most probably location (measured by laser) for Conner's body; green star is an alternate location (measured manually). Yellow line marks a high ridge/tall brush area.

#365/10-6-10/10:55 a.m./PWL 6.30 ft/Winds W 0.7 - 2.2 mph. Shows more of the water on the North Eastern part of the mudflat (blue arrow). White arrow is the dirt path. Red arrow points to large Styrofoam object; yellow arrow to a boat. Red star marks most probable location (measured by laser) for Conner's body; green star is an alternate location (measured manually). A baby found in the tidal pools marked by the orange arrows would not have ***washed ashore***.

#366/10-6-10/10:56 a.m./PWL 6.31 ft/Winds W 0.7 - 2.2 mph. Red arrow points to large Styrofoam object; yellow arrow to a boat. Red star marks the rock which is the most probable location (measured by laser) for Conner's body; green star is an alternate location (measured manually). Boat (yellow arrow); large styrofoam object (red arrow); dirt path (white arrow); water from pond/creeks (blue arrow); remnants of a debris line from a previous very high tide (orange arrows).



#367/10-6-10/10:56 a.m./PWL 6.31 ft/Winds W 0.7 - 2.2 mph. Northeast section of the mudflat. Aerial inset shows the ponds and creeks in this part of the mudflat which fill with water from the East shoreline (white arrows), and from Meeker's slough (red arrows). Blue arrows mark the north breakwater. Green line shows position of grass section on inset.

#368/10-6-10/10:57 a.m./PWL 6.31 ft/Winds W 0.7 - 2.2 mph. Northwest section of the mudflat. Aerial inset shows the ponds and creeks in this part of the mudflat which fill with water from Meeker's slough (red arrows). Blue arrows mark the Bay Trail bridge, yellow stars mark the access to the mudflat from the beach, and white arrows mark north breakwater.

#369/10-6-10/10:58 a.m./PWL 6.31 ft/Winds W 0.7 - 2.2 mph. Red star is Brooks Island. This section of grass and breakwater is just to the west of the Conner location. The colored arrows in the picture are matched with the inset, taken at PWL 6.06 ft, just 1/10 of an inch above MHHW and 3 inches below the current PWL of 6.31.

#371/10-6-10/11:04 a.m./PWL 6.33 ft/Winds NW 0.7 - 2.0 mph. Looking East. Red star is most probable location of Conner's body (measured by laser); yellow star is alternate location (measured manually). Blue arrow is water from the Northeast section; green arrows mark dirt path; orange arrow marks large Styrofoam object. Grass sections are very saturated well past the debris line. A baby found north of the debris line would not have gotten there by washing ashore.

#372/10-6-10/11:12 a.m./PWL 6.35 ft/Winds ENE 0.9 – 3.1 mph. Green arrow is SW corner. The next few pictures will be panning to make a full circle. The yellow arrow is the reference point for the #373. This high tide has peaked according to NOAA Richmond's preliminary data. It doesn't look like there's that much water on the mudflat from this perspective because the grass section in the forefront is higher ground. Your feet would get wet walking through the grass, but the standing water is not visible.

#373/10-6-10/11:12 a.m./PWL 6.35 ft/Winds ENE 0.9 – 3.1 mph. Yellow arrow is reference point from #372; blue arrow is reference point for #374. This high tide has peaked according to NOAA Richmond's preliminary data.

#374/10-6-10/11:12 a.m./PWL 6.35 ft/Winds ENE 0.9 – 3.1 mph. Blue arrow is reference point from #373; yellow arrow (Bay Trail bridge) is reference point for #375. Inset is People's 100, whose tide peaked at 6.39 ft, less than ½ inch higher than this PWL high tide. Orange arrows point to SW corner. White star depicts position from where People's 100 was taken.

#375/10-6-10/11:13 a.m./PWL 6.35 ft/Winds ENE 0.9 – 3.1 mph. Yellow arrow (Bay Trail bridge) is reference point from #374; green arrow is reference point for #376. Inset is People's 100, whose tide peaked at 6.39 ft, less than ½ inch higher than this PWL high tide. White star depicts position from where People's 100 was taken.

#376/10-6-10/11:13 a.m./PWL 6.35 ft/Winds ENE 0.9 – 3.1 mph. Green arrow (north breakwater) is reference point from #375; red arrow is reference point for #377.

#377/10-6-10/11:13 a.m./PWL 6.35 ft/Winds ENE 0.9 – 3.1 mph. Red arrow is reference point from #376; blue arrow (SE corner) is reference point for #378.

#378/10-6-10/11:13 a.m./PWL 6.35 ft/Winds ENE 0.9 – 3.1 mph. Blue arrow (SE corner) is reference point from #377; orange arrow (south breakwater) is reference point for #379. Yellow arrow points to large styrofoam object. Red star is approximate location of Conner's body.

#379/10-6-10/11:13 a.m./PWL 6.35 ft/Winds ENE 0.9 – 3.1 mph. Orange arrow is reference point from #378; blue arrow is reference point for #380. Yellow arrow points to large styrofoam object. Red star is approximate location of Conner's body.

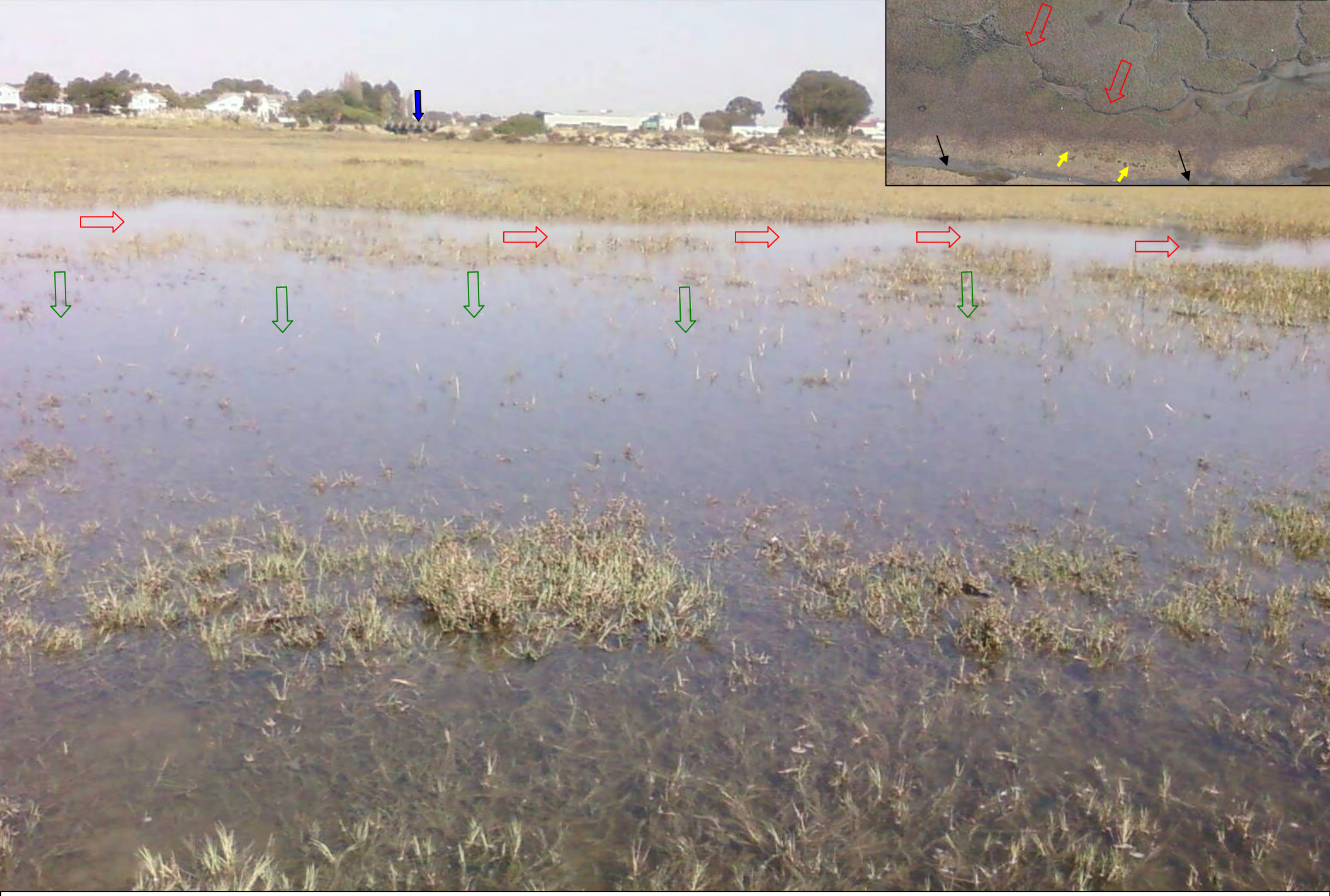
#380/10-6-10/11:13 a.m./PWL 6.35 ft/Winds ENE 0.9 – 3.1 mph. Blue arrow is reference point from #379; yellow arrow is reference point for #381. Red star is Albany Bulb. There is standing water in all of this grass section, though it's not always visible through the grass.

#381/10-6-10/11:13 a.m./PWL 6.35 ft/Winds ENE 0.9 – 3.1 mph. Yellow arrow is reference point from #380; blue arrow is SW corner; green arrow, very large cargo ship. Red star is Brooks Island. There is standing water in all of this grass section, though it's not always visible through the grass.

#382/10-6-10/11:23 a.m./PWL 6.34 ft/Winds ENE 0.9 – 3.1 mph. This close-up shows an old debris line formed along the high ridge/tall brush area. Yellow arrow is north of this ridge, and blue arrows mark the dirt path. The 6.49 ft (NOAA verified) tide on August 15, 2009 laid down a well-defined debris line, as captured on film the morning of August 16, 2009 (inset). Winds were 14-20 mph (UC Berkeley). #382 is facing East and the inset is facing West.

#383/10-6-10/11:24 a.m./PWL 6.34 ft/Winds SSE 1.8 – 3.8 mph. This close-up of an old debris line formed along the high ridge/tall brush area faces West, the same as the inset, which is the well-defined debris line left by the 6.49 ft (NOAA verified) tide on August 15, 2009, captured on film the morning of August 16, 2009. Winds were 14-20 mph (UC Berkeley).

#384/10-6-10/11:25 a.m./PWL 6.34 ft/Winds SSE 1.8 – 3.8 mph. Standing north of the dirt path, in the high ridge/tall brush area, looking over the northwest section of the mudflat. There is standing water even on the ridge. The inset shows all the creeks and ponds on this section of the mudflat. White arrows are the dirt path (dirt path does not show on #384, only on the inset); red stars, entrance to mudflat from beach.



#385/10-6-10/11:25 a.m./PWL 6.34 ft/Winds SSE 1.8 – 3.8 mph. Standing north of the dirt path (black arrows) and the high ridge/tall brush area (yellow arrows). Red arrows, deeper water in the creek bed; green arrows, overflow area, which is deep enough in some areas to cover the grass. Blue arrow is the Bay Trail bridge.

#386/10-6-10/11:26 a.m./PWL 6.34 ft/Winds SSE 1.8 – 3.8 mph. Yellow arrow is the very large Styrofoam object, estimated 5 ft long, 2 ft wide. It was too heavy for me to lift. The upper right inset (#320) shows the location of the object (green arrow) at 10:07, PWL 5.78 ft. Yellow and green stars (upper left inset, Google Earth rotated to match this picture) show the relative positions. Red arrows point to a long row of birds sitting there for a long time.

#387/10-6-10/11:26 a.m./PWL 6.34 ft/Winds SSE 1.8 – 3.8 mph. Orange star, Brooks Island; green arrow, very large cargo ship.

#390/10-6-10/11:29 a.m./PWL 6.34 ft/Winds SSE 1.8 – 3.8 mph. The well-formed debris line is clearly visible as the tide is now receding. Red star is most likely location of Conner's body, as measured by laser. The rock (white arrow) used to gauge water depth is beginning to show.

#391/10-6-10/11:30 a.m./PWL 6.34 ft/Winds ESE 2.5 – 3.1 mph. Close-up of the debris line that includes 4 of the stuffed animals, which are right in with the light debris. This arc is the northernmost reach of the debris line. Grass is still very saturated with water.

#392/10-6-10/11:30 a.m./PWL 6.34 ft/Winds ESE 2.5 – 3.1 mph. Red star, probable location of Conner's body; blue star, alternate possibility; green arrow, rock used to gauge water depth; red arrows, current wave reach in the receding tide; blue arrows, standing water (tidal pools) north of the debris line. Conner was found in a tidal pool north of the debris line.

#393/10-6-10/11:38 a.m./PWL 6.31 ft/Winds SE 2.0 – 3.6 mph. Orange arrow points to the debris line. The blue star (aerial inset) shows where I am standing to take this picture, and the orange star indicates grass section where Conner was found. The preliminary water level has receded about half an inch. The ebb tide doesn't suck water off the mudflat, as Distaso claimed –it merely stops putting water onto it, leaving what is there as "standing water" to be absorbed into the ground, while the creeks and ponds shrink down to their low-tide state. The next few pictures pan to the NE and then to the North.

#394/10-6-10/11:38 a.m./PWL 6.31 ft/Winds SE 2.0 – 3.6 mph. Standing at the same place as in #393, along the west breakwater, looking towards to the NE to see the standing water, creeks, and ponds.

#395/10-6-10/11:38 a.m./PWL 6.31 ft/Winds SE 2.0 – 3.6 mph. Standing at the same place as in #393, along the west breakwater, looking North. Red arrow points to the Bay Trail bridge.

#396/10-6-10/11:39 a.m./PWL 6.31 ft/Winds SE 2.0 – 3.6 mph. Standing at the same place as in #393, along the west breakwater, looking to the Northwest. Red arrow points to the Bay Trail bridge. The dirt path veers westward and then runs right along the west breakwater (blue arrows). The red star (inset) marks where I am standing. The northwest portion of the mudflat fills with water from Meeker's Slough, which comes from under the Bay Trail Bridge (yellow star) and then branches off into a very large creek with many of its own branches.

#397/10-6-10/11:40 a.m./PWL 6.30 ft/Winds SE 2.0 – 3.6 mph. This picture shows the depth of the standing water in the grass section near the west breakwater. (blue star in inset)

#398/10-6-10/11:41 a.m./PWL 6.30 ft/Winds SE 2.0 – 3.6 mph. More documentation of the amount of water on the mudflat north of the dirt path. Red arrow points to the Bay Trail bridge, blue star marks access to the mudflat from the beach. According to the Preliminary data, water level has dropped 0.6 inches from the peak high tide.

#399/10-6-10/11:41 a.m./PWL 6.30 ft/Winds SE 2.0 – 3.6 mph. From the same spot in #398, panning to the North. Red arrow points to Bay Trail bridge, yellow arrow to the north breakwater.

#400/10-6-10/11:41 a.m./PWL 6.30 ft/Winds SE 2.0 – 3.6 mph. From the same spot in #398, capturing the northeast portion of the mudflat. Yellow arrow points to same spot from #399, and red arrow marks spot along the mudflat's eastern shoreline.

#401/10-6-10/11:41 a.m./PWL 6.30 ft/Winds SE 2.0 – 3.6 mph. From the same spot in #398, capturing the East section of the mudflat. Red arrow points to same spot from #400.

#402/10-6-10/11:42 a.m./PWL 6.29 ft/Winds SE 1.6 – 2.7 mph. Panning back around to the North. Yellow arrow is same location as yellow arrow in #400.

#403/10-6-10/11:42 a.m./PWL 6.29 ft/Winds SE 1.6 – 2.7 mph. Panning back around to the Northwest. Red arrow is the Bay Trail bridge.

#405/10-6-10/11:43 a.m./PWL 6.29 ft/Winds SE 1.6 – 2.7 mph. Orange arrow, large Styrofoam object; green arrow, northernmost reach of the debris line; red star, approximate location of Conner's body; blue line, dirt path.

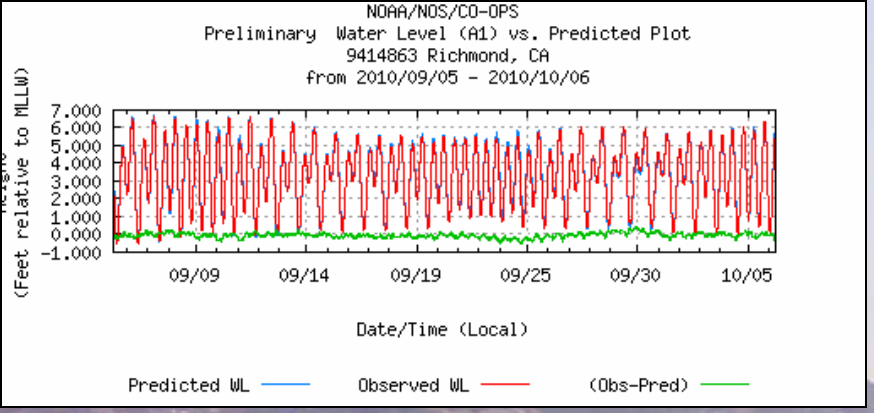
#406/10-6-10/11:43 a.m./PWL 6.29 ft/Winds SE 1.6 – 2.7 mph. Orange arrow, current wave action, quite a distance from the debris line; green arrow, rock used to gauge water depth; red star, most likely location for Conner's body (laser-measured); yellow star, alternate location (manually measured). Blue line, dirt path still under water.

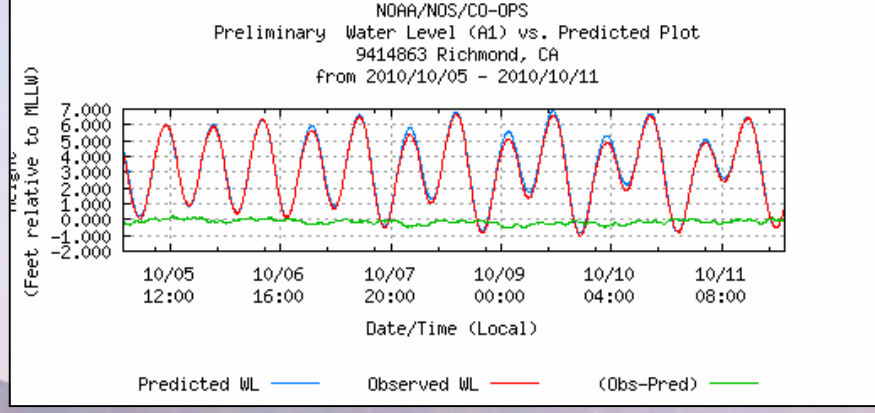
#407/10-6-10/11:44 a.m./PWL 6.28 ft/Winds SE 1.6 – 2.7 mph. Yellow star is Albany Bulb; red star is most probably location of Conner's body; white arrow points to stuffed animal as part of the debris line; blue line marks the path, still very much under water, with standing water in the grass.

#408/10-6-10/11:44 a.m./PWL 6.28 ft/Winds SE 1.6 – 2.7 mph. Red stars, most probable location of Conner's body (laser-measured); yellow star, alternate location (manual-measured); orange arrows point to rock used to gauge water depth (inset is #319, 10:06 a.m., PWL 5.77 feet).

#409/10-6-10/11:45 a.m./PWL 6.28 ft/Winds SE 1.6 – 2.7 mph. Northern part of the mudflat. Blue arrow, Bay Trail bridge; yellow arrows, deeper water in creeks; red arrows, shallower overflow water.

#410/10-6-10/11:45 a.m./PWL 6.28 ft/Winds SE 1.6 – 2.7 mph. Looking towards the SW corner. Yellow star, Brooks Island; red star, most likely location of Conner's body (laser measured); green star, alternate location for conner's body. The dirt path is still filled with water.





#411/10-6-10/11:46 a.m./PWL 6.27 ft/Winds SE 1.6 – 2.7 mph. Looking towards the SE corner. A good view of the high ridge/tall brush strip. Lot of standing water still to its north (red arrow) and to its south (blue arrow) the dirt path is still filled with water. Tides high enough to leave behind this old debris line (green arrows) usually occur only one week in the month (see inset at left). The 6.49 verified water level on Aug 15, 2009, left a debris line in this area; the PWL 6.57 on Oct 10, 2010 also left a debris line in this area. Orange arrow, large Styrofoam object.

#412/10-6-10/11:46 a.m./PWL 6.27 ft/Winds SE 1.6 – 2.7 mph. Panning to the NE corner. Red line, high ridge/tall brush area; blue arrow, north breakwater.

#413/10-6-10/11:46 a.m./PWL 6.27 ft/Winds SE 1.6 – 2.7 mph. Looking to the NE corner, but closer to the larger bodies of standing water. Blue arrows point to the deeper water.

#414/10-6-10/11:46 a.m./PWL 6.27 ft/Winds SE 1.6 – 2.7 mph. Looking straight North. Blue arrow is the Bay Trail bridge.

#415/10-6-10/11:46 a.m./PWL 6.27 ft/Winds SE 1.6 – 2.7 mph. Looking West. Yellow arrows, deeper water in creeks & ponds; red arrows, shallower overflow water.

#416/10-6-10/11:47 a.m./PWL 6.27 ft/Winds SE 1.6 – 2.7 mph. Red star is Brooks Island. Dirt path is still filled with water. White arrows, reach of the current waves; yellow arrow, water still standing north of the wave reach; blue arrow, rock being used as indicator of water depth.

#417/10-6-10/11:47 a.m./PWL 6.27 ft/Winds SE 1.6 – 2.7 mph. Panning East along the south breakwater, showing the difference between sections of the breakwater, in size and compactness. Red star is Brooks Island; blue arrow is rock from #416 being used as indicator of water depth; green arrow, barely discernible is the eastward limit of today's debris line; red arrows, flow of water as the tide rises, water remains captured by the grass as the tide recedes; orange arrow, reference point for #418.

#418/10-6-10/11:47 a.m./PWL 6.27 ft/Winds SE 1.6 – 2.7 mph. Panning East along the south breakwater. Orange arrow, reference point from #417; red star, Albany Bulb. The water is captured in ponds until it is absorbed into the ground.

#419/10-6-10/11:47 a.m./PWL 6.27 ft/Winds SE 1.6 – 2.7 mph. SE corner, exposing a very low area of South breakwater. Orange arrow, large Styrofoam object, which remains where it was at the peak of high tide; yellow arrows, dirt path; green arrows, standing water north of dirt path. Standing water is captured and will remain until it is absorbed into the ground – it does not recede southward as Distaso claimed.

#420/10-6-10/11:47 a.m./PWL 6.27 ft/Winds SE 1.6 – 2.7 mph. Looking to the East shore, showing more of the standing water north of the water-filled path (yellow arrows) Orange arrow, large Styrofoam object, which remains where it was at the peak of high tide; green arrow point to a row of birds that has been sitting there for some time.

#421/10-6-10/11:47 a.m./PWL 6.27 ft/Winds SE 1.6 – 2.7 mph. Looking to the NE corner. The green arrows point to the deeper water, creeks and ponds that remain on the site. The shallow overflow water in the grass will be absorbed into the ground.

#422/10-6-10/11:48 a.m./PWL 6.26 ft/Winds SE 2.5 – 3.4 mph. Yellow arrow points to north breakwater; green arrows point to the deeper water, the ponds/creeks that remain on the site. Still large amounts of overflow water saturating the grass. The preliminary water level is now 1.08 inches below peak high tide.

#423/10-6-10/11:48 a.m./PWL 6.26 ft/Winds SE 2.5 – 3.4 mph. Yellow arrow points to the Bay Trail bridge; red star is access to the mudflat from the beach; green arrows point to deeper water.

#424/10-6-10/11:48 a.m./PWL 6.26 ft/Winds SE 2.5 – 3.4 mph. Yellow arrow points to the water-filled dirt path; red star is access to the mudflat from the beach; green arrows point to deeper water. The orange line shows the high ridge/tall brush area that traps the overflow water in the northern part of the mudflat.

#425/10-6-10/11:48 a.m./PWL 6.26 ft/Winds SE 2.5 – 3.4 mph. Green arrow, SW corner; red star, Brooks Island; yellow arrows, water-filled dirt path; orange line, high ridge/tall brush area

#426/10-6-10/11:48 a.m./PWL 6.26 ft/Winds SE 2.5 – 3.4 mph. Red star, Brooks Island; yellow arrows follow water-filled dirt path eastward. Standing water north of the dirt path.

#427/10-6-10/11:49 a.m./PWL 6.26 ft/Winds SE 2.5 – 3.4 mph. With the tide receding, the debris line becomes obvious (green arrows); light debris is mixed in with heavier debris; yellow arrows follow the water-filled dirt path; red star is most probably location of Conner's body; orange star another possible location. Standing water on both the north and south of the debris line.

#428/10-6-10/11:49 a.m./PWL 6.26 ft/Winds SE 2.5 – 3.4 mph. Close-up of the water just in front of/south of the debris line; green arrows show the reach of the current wave action; red star is most likely location for Conner's body (laser measured); orange star is another possible location (manually measured); and the yellow arrows follow the water-filled dirt path.

#429/10-6-10/11:56 a.m./PWL 6.22 ft/Winds SSE 2.7 – 3.8 mph. Orange arrow, large styofoam object; blue arrow, rock to indicate water depth; yellow arrow, dirt path still with standing water; red star, probable location of Conner's body; green arrows, other debris lines formed – when Google captured the debris line from August 13, 2009 (see inset), it also captured debris lines to the west of ours; blue arrows show stream of water flow between the grass sections.

#430/10-6-10/11:56 a.m./PWL 6.22 ft/Winds SSE 2.7 – 3.8 mph. White star is the grass section where Conner was found – I am taking this picture from the grass section to its West. Green arrows show the dirt path, which is still covered with water; blue arrow shows the stream of water flow from the south breakwater (from #429); white arrow points to the north breakwater, which protects the north section of the mudflat from even more flooding at these higher than MHHW tides.

#431/10-6-10/11:56 a.m./PWL 6.22 ft/Winds SSE 2.7 – 3.8 mph. Yellow arrow, Bay Trail bridge; orange arrow, north breakwater; green arrows, deeper water in streams & ponds; pink arrow, standing overflow water; blue arrows, path facing West; white arrows, puddles that remain along the path as the water is gradually absorbed into the ground.

#436/10-6-10/11:57 a.m./PWL 6.21 ft/Winds SSE 2.7 – 3.8 mph. It's been approximately 45 minutes since high tide peaked, and this picture shows how much water has been absorbed into the ground (see inset, #371 taken at peak high tide). Colored arrows correspond with arrows in the inset. The higher ground and taller grass/brush trap the overflow water, which gradually soaks into the ground, while the creeks and ponds shrink back to their low-tide sizes.

#437/10-6-10/11:57 a.m./PWL 6.21 ft/Winds SSE 2.7 – 3.8 mph. Red star, most probable location of Conner's body; blue star, alternate location; large Orange arrows, large Styrofoam object; small orange arrows, landmark to determine relative location. Top panel is #320, taken at 10:06 a.m., PWL 5.77 feet. Styrofoam object has moved from its beginning location south of the landmark to its final location north of it. Wave action and the rising tide moved it to its current location; it didn't get there by being deposited as the water level dropped in the receding tide. Blue arrow, extent of current wave action.

#438/10-6-10/11:58 a.m./PWL 6.20 ft/Winds SSE 2.7 – 3.8 mph. Red star is at the base of the Home Depot flag. You can see the rock that was laid on August 14, 2009, to mark the location of Conner's body, based on laser measurements of 173 feet from the west breakwater and 24 feet from the south breakwater. For the alternate measurement, so it would be distinguished in the pictures, I placed another rock on top of the rock that was laid on August 13, 2009 after manually measuring the distances, and then rested the filled bottle against it (blue star). The stacked rocks did act as a barrier for the light debris.

#439/10-6-10/11:58 a.m./PWL 6.20 ft/Winds SSE 2.7 – 3.8 mph. Red star, most probable location of Conner's body based on laser measurements taken on August 14, 2009; blue star, alternate location based on manual measurements taken August 13, 2009. Well-formed debris line is very visible (yellow arrows). Without exception, the heavier debris (stuffed animals) is interspersed with the lighter debris.

#440/10-6-10/11:58 a.m./PWL 6.20 ft/Winds SSE 2.7 – 3.8 mph. A close-up of the stacked rocks to mark the alternate location for Conner's body, as measured manually on August 13, 2009. The stacked rocks were tall enough to catch the debris. There is standing water to each side of the debris line, as well as to the south of the rocks/bottle, and even some to the north of the debris line (bottom of the picture).

#441/10-6-10/11:58 a.m./PWL 6.20 ft/Winds SSE 2.7 – 3.8 mph. Facing West to get a close-up of this portion of the debris line, compelling evidence that the heavier debris stays with the lighter debris. Debris lines are formed by the waves and the rising tide, not deposited by the receding tide. Stars mark alternate locations for Conner's body.

#442/10-6-10/11:58 a.m./PWL 6.20 ft/Winds SSE 2.7 – 3.8 mph. A very good view of the southeastern portion of the debris line. Very well formed. The black line illustrates the flow of water between the 2 grass sections, and yet the debris line stays together.

#443/10-6-10/11:59 a.m./PWL 6.20 ft/Winds SSE 2.7 – 3.8 mph. Another view of the very-well formed eastern section of the debris line (green arrows); blue arrows show the flow of water between the grass sections; yellow arrow, the rock that indicates water depth; orange arrow, large pond of water still visible; red star, most probable location for Conner's body. The saturation level from the high tide is indicated by the different coloring in front of (grass looks wet) and behind the debris line (grass looks dry).

#444/10-6-10/11:59 a.m./PWL 6.20 ft/Winds SSE 2.7 – 3.8 mph. Red star, Brooks Island; orange arrow, very large cargo ship; yellow arrow, rock that indicates water depth; blue arrows, a number of rocks becoming visible under the water. Inset is #00019 taken Dec 5, 2005, Verified water level 5.48, Winds NE 7, a close-up of the rocks in this section of the south breakwater. Yellow star identifies same rock.

#445/10-6-10/11:59 a.m./PWL 6.20 ft/Winds SSE 2.7 – 3.8 mph. Panning a little to the south. Red star, Brooks Island; orange arrow, very large cargo ship; yellow arrow, rock that indicates water depth; blue arrows, a number of rocks becoming visible under the water. Inset #00020 also taken Dec 5, 2005, Verified water level 5.49, Winds NE 7, a close-up of the rocks in this section of the south breakwater. Yellow star identifies same rock.

#446/10-6-10/11:59 a.m./PWL 6.20 ft/Winds SSE 2.7 – 3.8 mph. Looking West. Red star, most probable location for Conner's body (laser measured); green star, another possible location (manually measured); blue arrow indicates extent of wave action, with much water still remaining north of it (orange arrow); dirt path is still filled with water (yellow arrows).

#447/10-6-10/12:00 Noon/PWL 6.19 ft/Winds SE 1.6-2.9 mph. First in a series of close-ups of the stuffed animals. Green arrow points south, towards the breakwater; Red arrow points North, towards the path. There is still standing water north of the stuffed animal/debris line. Conner was found in a tidal pool north of the debris line on April 13, 2003.

#448/10-6-10/12:00 Noon/PWL 6.19 ft/Winds SE 1.6-2.9 mph. Second in a series of close-ups of the stuffed animals.. Green arrow points south, towards the breakwater; Red arrow points North, towards the path. There is still standing water north of the stuffed animal/debris line. Conner was found in a tidal pool north of the debris line on April 13, 2003.

#449/10-6-10/12:00 Noon/PWL 6.19 ft/Winds SE 1.6-2.9 mph. Third in a series of close-ups of the stuffed animals.. Green arrow points south, towards the breakwater; Red arrow points North, towards the path. No standing water north of the debris line is clearly visible in this picture.

#450/10-6-10/12:00 Noon/PWL 6.19 ft/Winds SE 1.6-2.9 mph. Fourth in a series of close-ups of the stuffed animals.. Green arrow points south, towards the breakwater; Red arrow points North, towards the path. No standing water north of the debris line is clearly visible in this picture.

#451/10-6-10/12:00 Noon/PWL 6.19 ft/Winds SE 1.6-2.9 mph. Fourth in a series of close-ups of the stuffed animals.. Green arrow points south, towards the breakwater; Red arrow points North, towards the path. Some standing water north of the debris line is visible in this picture. The rock laid to mark Conner's location is clearly visible. The grass, not the rock, blocked the debris from washing further north.

#452/10-6-10/12:01 p.m./PWL 6.19 ft/Winds SE 1.6-2.9 mph. Orange arrow, large Styrofoam object; blue arrows, the northernmost reach of the debris line; red star, most probable location of Conner's body (laser measurements); green star, alternate location (manual measurements); white arrows, path is beginning to dry up; pink arrow, standing water still visible behind the high ridge/tall brush area.

#453/10-6-10/12:03 p.m./PWL 6.18 ft/Winds SE 1.6-2.9 mph. Orange arrow, large Styrofoam object; blue arrow, rock used to indicate water depth; red star, most probable location of Conner's body (laser measurements). Lot of water still standing.

#454/10-6-10/12:05 p.m./PWL 6.17 ft/Winds SE 1.6-2.9 mph. Looking at the SW corner of the mudflat. A lot of water still standing in the dirt path and other dirt areas. Blue arrow, very large cargo ship.

#455/10-6-10/12:07 p.m./PWL 6.16 ft/Winds SSE 2.9 – 3.8 mph. According to preliminary water levels, it's been more than an hour since the tide peaked at 6.35 ft, a drop of 2.16". Red star, most probable location for Conner's body; green star, alternate location; orange arrow, rock used to gauge water depth. Upper right inset is #354 taken at PWL 6.17 ft, winds SSW 1.3-2.2 mph. Notice the difference in water coverage at almost identical water levels—one a rising tide, and the other an ebb tide. The bottom right inset is #371 taken just before peak tide at PWL 6.33 ft., winds SSW 0.7-2.0 mph.

#456/10-6-10/12:07 p.m./PWL 6.16 ft/Winds SSE 2.9 – 3.8 mph. A close-up of the SW corner. Red star, Brooks Island; orange arrow, very large cargo ship; green arrows, standing water remaining from the high tide.

#457/10-6-10/12:07 p.m./PWL 6.16 ft/Winds SSE 2.9 – 3.8 mph. A view of the East section of the mudflat. Red star, probably location of Conner's body; Orange arrow, large Styrofoam object; green arrow, deeper water in one of the ponds; yellow arrow, standing overflow water; blue arrow, remaining puddles as water soaks into the ground.

#458/10-6-10/12:07 p.m./PWL 6.16 ft/Winds SSE 2.9 – 3.8 mph. A view of the Northeast section of the mudflat. Dirt path still mostly filled with water. Green arrows, deeper water in a pond and creek; blue arrows, remaining puddles as water soaks into the ground. Inset is #377 at PWL 6.35 ft., peak high tide. Where does all the water go? Duh! It soaks into the ground.

#459/10-6-10/12:07 p.m./PWL 6.16 ft/Winds SSE 2.9 – 3.8 mph. A view of the North section of the mudflat. Green arrows, deeper water in ponds and creeks; blue arrow, Bay Trail bridge. Inset is #375 at PWL 6.35 ft., peak high tide.

#460/10-6-10/12:08 p.m./PWL 6.15 ft/Winds SSE 2.9 – 3.8 mph. Standing water in the dirt path.

#461/10-6-10/12:09 p.m./PWL 6.15 ft/Winds SSE 2.9 – 3.8 mph. It's almost 1 hour since the high tide peaked at 6.35 at 11:12 a.m. (PWL), and I'm exiting the site. Orange arrow, large stryofoam object; green arrows, deep water pond and creek; yellow arrow, northernmost reach of debris line; blue arrow, rock used to gauge water depth.

#462/10-6-10/12:09 p.m./PWL 6.15 ft/Winds SSE 2.9 – 3.8 mph. Northwest section of the mudflat. Much more standing water than on the Northeast section because of the large creek system that flows from Meeker's Slough (Inset picture, green arrows). Blue arrow, Bay Trail bridge; red arrows, dirt path, which is still filled with water.

#463/10-6-10/12:09 p.m./PWL 6.15 ft/Winds SSE 2.9 – 3.8 mph. Northwest section of the mudflat. A closer look at the large pond (red arrows) and the standing overflow water (green arrows); yellow arrows, dirt path; blue arrow, Bay Trail bridge.

#464/10-6-10/12:10 p.m./PWL 6.14 ft/Winds SSE 2.9 – 3.8 mph. Yellow star on the Google Earth inset shows my standing location, yellow line indicates angle to the NE; yellow arrows mark dirt path. Green arrows, north breakwater.

#465/10-6-10/12:10 p.m./PWL 6.14 ft/Winds SSE 2.9 – 3.8 mph. Standing at same location as #464, looking towards the South. Yellow arrows mark the dirt path; green arrow points to the stuffed animals in the debris line; orange arrow, large Styrofoam object. If Distaso's theory was correct, this southern section would have more water than the northern section; but it has very little comparatively.

#466/10-6-10/12:10 p.m./PWL 6.14 ft/Winds SSE 2.9 – 3.8 mph. Standing at same location as #464, looking towards the ESE. Yellow arrows mark the dirt path; green arrow points to the deeper water in the pond and creek in contrast to the shallower, over-flow water that will soak into the ground; orange arrow, large Styrofoam object.

#467/10-6-10/12:10 p.m./PWL 6.14 ft/Winds SSE 2.9 – 3.8 mph. Standing at same location as #464, looking towards the NE corner of the mudflat. Green arrow points to the deeper water in the pond and creeks in contrast to the shallower, over-flow water that will soak into the ground

#468/10-6-10/12:10 p.m./PWL 6.14 ft/Winds SSE 2.9 – 3.8 mph. Taken from the dirt path along the west breakwater, a little further north than #464-467. Red star, Albany Bulb; blue arrow, SW corner; green arrows, dirt path.

#469/10-6-10/12:12 p.m./PWL 6.13 ft/Winds SSE 3.6 – 4.2 mph. Taken from the dirt path along the west breakwater, a little further north than #468, looking SE. Orange arrow, large styrofoam object barely shows; blue arrow, stuffed animals in debris line barely show; green arrows, deeper water in the pond. Inset is a Google Earth close-up of this pond at low tide (green star). Creeks feed into it from Meeker's Slough on both sides (green arrows). White line (white arrows) marks the path along the west breakwater.

#470/10-6-10/12:12 p.m./PWL 6.13 ft/Winds SSE 3.6 – 4.2 mph. Taken from the dirt path along the west breakwater, looking south. Orange star, Albany Bulb; blue arrow, stuffed animals in debris line barely show; green arrow, deeper water in the pond. White line (white arrows) marks the dirt path as it angles Southeast. Shows how much more water is in the northern section of the mudflat than in the southern section, in direct contradiction of Distaso's theory.

#471/10-6-10/12:12 p.m./PWL 6.13 ft/Winds SSE 3.6 – 4.2 mph. Taken from the dirt path along the west breakwater, showing wet debris that washed ashore through the west breakwater.

#472/10-6-10/12:12 p.m./PWL 6.13 ft/Winds SSE 3.6 – 4.2 mph. Green arrow points to same debris in #471; red star is Albany Bulb; yellow arrows, dirt path along west breakwater. Shows how much more water is retained in the northern section of the mudflat compared to the southern section, contrary to Distaso's theory.

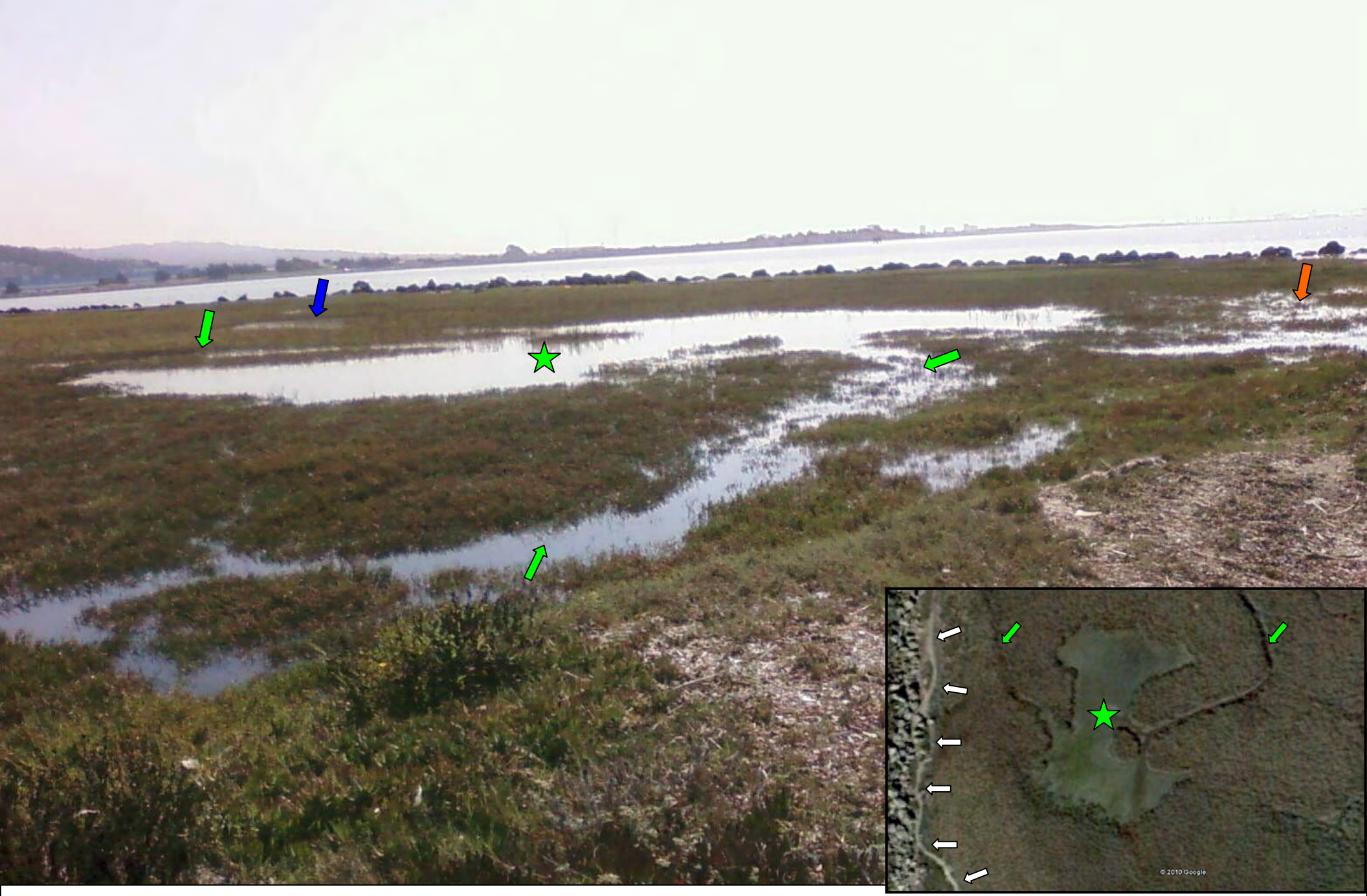
#473/10-6-10/12:13 p.m./PWL 6.12 ft/Winds SSE 3.6 – 4.2 mph. Green arrow points to same debris in #471; red star is Albany Bulb; yellow arrows, dirt path along west breakwater.

#474/10-6-10/12:14 p.m./PWL 6.11 ft/Winds SSE 3.6 – 4.2 mph. Inset from Google Satellite at low tide. Green stars, Bay Trail bridge; yellow arrows, Meeker's Slough; blue arrows, two large creeks that flow from Meeker's Slough; orange star, my location at the entrance to the mudflat from the beach. Lots of standing overflow water in little creeks and ponds that form from low spots during high tides, in addition to the creeks and ponds that are always present, regardless of the water level. MHHW is 6.05 ft.

#475/10-6-10/12:14 p.m./PWL 6.11 ft/Winds SSE 3.6 – 4.2 mph. Standing at the entrance to the mudflat from the beach, looking towards the NE corner. Yellow arrows, north breakwater; blue arrows, major creeks that flow from Meeker's Slough. Not that much visible standing water at the back north of the mudflat. 6.11 ft is less than an inch (6/10 of an inch to be exact) higher than the MHHW of 6.05.

#476/10-6-10/12:15 p.m./PWL 6.11 ft/Winds SSE 3.6 – 4.2 mph. Standing at the entrance to the mudflat from the beach, looking straight East. Yellow arrows, deeper water in ponds; blue arrows, major creeks that flow from Meeker's Slough; green arrows, standing overflow water. MHHW is 6.05 ft.

#477/10-6-10/12:15 p.m./PWL 6.11 ft/Winds SSE 3.6 – 4.2 mph. Standing at the entrance to the mudflat from the beach, looking SouthEast. Inset is from Google Satellite. Green stars, pond that remains on the mudflat; green arrows, creeks from Meeker's Slough that empty into the pond; white arrows, dirt path that follows along the west breakwater. MHHW is 6.05 ft.



#478/10-6-10/12:15 p.m./PWL 6.11 ft/Winds SSE 3.6 – 4.2 mph. Standing at the entrance to the mudflat from the beach, looking South, showing the west side of the pond. Inset is from Google Satellite. Green stars, pond that remains on the mudflat; green arrows, creeks from Meeker's Slough that empty into the pond; blue arrow, another pond; orange arrow, standing overflow water between the large pond and the west breakwater; white arrows, dirt path along west breakwater. MHHW is 6.05 ft.

#479/10-6-10/12:15 p.m./PWL 6.11 ft/Winds SSE 3.6 – 4.2 mph. Standing at the entrance to the mudflat from the beach, looking at the Southwest corner, showing full extent of the standing water (orange arrow) between the pond (green star) and the west breakwater. Blue arrow, another small pond. Green arrows, the two creeks flowing from Meeker's Slough that flow into the large pond. Inset is People's 100 at 6.39 verified water level. MHHW (average of all higher high tides) is 6.05 ft.

#480/10-6-10/12:15 p.m./PWL 6.11 ft/Winds SSE 3.6 – 4.2 mph. Standing at the entrance to the mudflat from the beach, looking down the West breakwater, showing full extent of the standing water (orange arrow) between the pond (green star) and the west breakwater. MHHW (average of all higher high tides) is 6.05 ft. What makes the mudflat inaccessible at tides near or above MHHW is the very low area adjacent to the west breakwater, making it prone to flooding. At these and above water levels, you have to crawl around the rocks in the breakwater to avoid walking in water.