

**LEGEND for 2004–2015Q1 NRC Reports & OWOC observations of surface oil sheen at GoM MC20,**  
 excerpted and organized by On Wings Of Care, Inc. 2015 ("OWOC") © [OnWingsOfCare.org](http://OnWingsOfCare.org)

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OWOC Flight Observations of MC20 are published at [OnWingsOfCare.org](http://OnWingsOfCare.org).  
 See those articles for photos, videos, GPS flight tracks, and flight logs for these and other of OWOC aerial observations of the Gulf of Mexico, since late April 2010.

No.	Subject	Comment
1	General	All NRC reports refer to this as a "Platform incident" (MC20A), N28°56'10", W88°58'08". Column headings and entries are abbreviated herein, and repetitious info (such as Responsible Party and Location, which are always Taylor Energy Co and Mississippi Canyon 20) is omitted; all information is substantively identical to that in the original NRC reports, which can be viewed online here: <a href="http://www.nrc.uscg.mil/">http://www.nrc.uscg.mil/</a> . OWOC gratefully acknowledges the assistance of Ms. Trisha James of Navarre, FL in extracting data from the NRC reports for these analyses.
2	Sea Conditions	Wave Condition: 0: Calm; 1: Smooth (< 1 ft); 2: Slight (1—3 ft); 3: Moderate (3—5 ft); 4: Rough (5—8 ft); 5: Very Rough (8—12 ft) Current speed is omitted here. It has been entered by an observer only once in 2015Q1 (5 its on 20150115) and fewer than 10 times total since 2005. Wind speed is given in the NRC Reports variably in units of KTS or MPH on the few reports where it is noted at all. Units of knots (kts, 1 nautical mile per hour, or about 1.15 mph) are used here.
3	Sheen Appearance	Sheen Color & Additional Info are verbatim from the NRC reports but are consolidated in these spreadsheets, whereas in the NRC reports this information appears randomly in either the Incident Commons spreadsheet or various columns of the Incident Details spreadsheet, if it appears at all.
4	Sheen Length & Width	Length and width of the sheen are cited in the NRC reports with variable units of "miles" or "feet", and occasionally (as in OWOC observations) meters. The Taylor reports do not state explicitly whether "miles" means statute miles (sm) or nautical miles (nm or NM), although we might assume that where they state wind in mph (kts), they cite sheen dimensions in units of sm (nm). Here we assume that "miles" means nm, and we use the conversions: 1 nm = 6,076 ft = 1.85 km ~ 1.15 sm. It is obvious by the entry value whether NM or FT are intended, so we omit explicit mention of the units here.
5	Sheen Area	For sheen area (product of Sheen Length and Width), we use units of acres, where 1 acre = 43,560 sq ft (~ 1 nm x 7.2 ft.) (Metric units would be easier all around, since 1 cu m = 1 micron X 1 sq km, but...)
6	Amount of Material	The unit for "Amount of material" is US gallons. We write "0" where the NRC Report lists "0" or "0-U" or "Unknown Amount." Only the Taylor-provided NRC Reports provide estimated Amounts of Material. But the Taylor reports give no information about what assumptions are used to arrive at those estimated amounts. Amount of Material is not a quantity that can be observed directly; it must be estimated by multiplying sheen area with sheen thickness. In aerial observations, sheen thickness can only be estimated approximately, based on appearance of the sheen, and the accuracy depends critically on the thickness itself. See below. The estimated Amount of Material, or Volume (in US gallons), is the product of sheen area and estimated sheen thickness, by the relation: Amt (gal) = 1.069 X Area (acres) X Thickness (microns).



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7	Sheen thickness and Bonn (BAOAC) guidelines	<p>For dull, metallic, or dark sheen — typically thicker than a few microns, visible observation cannot distinguish thicknesses more than a few microns, so only a minimum thickness can be estimated. For colored or "rainbow" sheen, the thickness is in the range of visible light wavelengths (0.3—5.0 micron), since the colored appearance is caused by thin-film interference (e.g., light reflected from the bottom of the sheen interfering coherently with light reflected from the upper surface). (Now you see why metric units for the sheen dimensions would have simplified the arithmetic of calculating sheen volumes!) For sheen that appears very light gray or "barely discernible", the thickness must usually be in the range of 0.04—0.1 micron, and as it becomes more silvery it is typically 0.2—0.3 micron.</p> <p>An international standard, adopted formally by NOAA and the U.S. Coast Guard in 2006, is the "Bonn" or "BAOAC" (Bonn Agreement Oil Appearance Code) standard, which uses the following ranges and nominal values for correlating sheen appearance in aerial observations with estimated sheen thickness. These guidelines are stipulated in the Coast Guard's handbook "Open Water Oil Identification Job Aid for aerial observation" (OWJA 2012, revised from 2007), which is used for Coast Guard training. (Mysteriously, these guidelines appear never to have been used for the Taylor estimates of Amount of Material in the NRC reports.)</p> <table border="0" data-bbox="323 564 1306 710"> <tr> <td>Silver/Gray:</td> <td>0.04—0.3 micron</td> <td>(NOMINAL Barely Discernible or Gray = 0.1; Silvery = 0.2.)</td> </tr> <tr> <td>Rainbow:</td> <td>0.3—5.0 micron</td> <td>(NOMINAL: Faint Colors = 0.5; Rainbow or Brightly Colored = 1.0)</td> </tr> <tr> <td>Metallic:</td> <td>5.0 — 50 micron</td> <td>(NOMINAL: Dull = 3.0; Dark = 10.0)</td> </tr> <tr> <td>Transitional Dark:</td> <td>50—200 micron</td> <td>(NOMINAL: 100 microns.)</td> </tr> <tr> <td>Dark (True color):</td> <td>&gt; 200 micron</td> <td>(NOMINAL: Very Dark = 200 microns)</td> </tr> <tr> <td>Emulsion (water in oil):</td> <td>&gt;1 mm</td> <td>(brown/orange) (NOMINAL: Emulsion = 500 micron)</td> </tr> </table>	Silver/Gray:	0.04—0.3 micron	(NOMINAL Barely Discernible or Gray = 0.1; Silvery = 0.2.)	Rainbow:	0.3—5.0 micron	(NOMINAL: Faint Colors = 0.5; Rainbow or Brightly Colored = 1.0)	Metallic:	5.0 — 50 micron	(NOMINAL: Dull = 3.0; Dark = 10.0)	Transitional Dark:	50—200 micron	(NOMINAL: 100 microns.)	Dark (True color):	> 200 micron	(NOMINAL: Very Dark = 200 microns)	Emulsion (water in oil):	>1 mm	(brown/orange) (NOMINAL: Emulsion = 500 micron)
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8	Bonn-estimated Amounts of Material	<p>Where we cite "B-Amt" we mean the Amount of Material estimated using the Bonn or BAOAC guidelines noted above. All NRC reports submitted by NOAA, OWOC, or other entities not representing Taylor Energy show "zero" or "zero-unknown" for their Amounts. In these spreadsheets, we provide estimated Amounts of material for all NRC reports and for the 40 OWOC flight observations that were published at <a href="http://OnWingsOfCare.org">OnWingsOfCare.org</a>, all based on the Bonn guidelines. We also provide a "corrected estimate" for the Amounts of material given in the Taylor Energy NRC reports, which we abbreviate by "B-Tay" or "B-NRC" and "Tay" or "NRC", respectively, when referring to Amounts of Material.</p>																		
9	Equivalent Average Thickness (EAT)	<p>The Taylor Energy NRC reports give no information about what thicknesses were assumed or other assumptions that went into their estimates of Amount of Material. It is straightforward and instructive to infer from their estimates an equivalent average thickness ("NEAT" for NRC Equivalent Average Thickness) by dividing the estimated Amount of Material by the observed sheen area, using the arithmetic conversion: NEAT (micron) = Amt of Material (gal) / Area of Sheen (acres) / 1.069.</p> <p>==&gt; We find that the NEAT values that follow from the Taylor NRC reports are, for a majority of the reports, smaller than 0.04 micron — the very minimum thickness for "barely discernible" sheen according to the Bonn guidelines. 0.04 micron is 40 nanometers, or the diameter of a few tens of petroleum molecules; a typical human hair has a diameter of 10—100 microns. Considering that close to 100% of the observations by OWOC's 40 documented flyovers found considerable amounts of rainbow and darker sheen, the assumptions used by Taylor Energy to estimate their Amounts of Material are quite suspect.</p> <p>NRC reports submitted by the NOAA/NESDIS satellite information service (highlighted in gray in these spreadsheets) give detailed information about observed sheen area, but they are not able to determine accurately whether the sheen observed is light gray, silvery, rainbow, or darker. In estimating Amounts of Material associated with the NOAA satellite observation reports, we decided to be very conservative -- i.e., to give what can be considered a <i>minimum</i> estimate of the Amount of Material, by using a NEAT of 0.1 micron, equivalent to sheen that is light gray or barely discernible. Still, the large areas noted by the NOAA satellite observations tend to give higher estimates for Amount of Material even than the Bonn-estimated amounts from the Taylor, OWOC, and other observations. That is unnerving, and it should be, for it could well mean that we have all under-estimate the amount of pollution and how far it has spread.</p>																		



No.	Subject	Comment
10	Our conclusions about Total Amounts of Material	<p>In order to make consistent estimates of material, based on all NRC report data and other documented observations (including revision of the Taylor estimates based on the Taylor-provided data in the NRC reports), we use the Bonn guidelines to assign sheen thickness to the areas and percent coverages for the different sheen appearances provided. Those assumptions are given in the column labeled "Assumptions." We use the nominal values noted above from the Bonn ranges, and for all of the NRC reports and other observations, there were only a few instances where we assigned a thickness greater than 1.0 (rainbow), and those for small areas specifically noted by Taylor to be dark brown. Thus, we consider our estimates of Amounts of material to be conservatively low.</p> <p>Our Bonn-estimated Amounts of Material are on average (analyzed for all reports from 2004 through first quarter of 2015) <u>15 times larger</u> than the estimates provided in the Taylor NRC reports. This means that, if the sheen areas in the Taylor reports are not under-estimated, the total amount of pollution in MC20 since late 2004 is 15 times more than Taylor has purported it to be. Unfortunately, reports from non-Taylor entities, which began increasing in number since 2011 when OWOC began making regular observations and in 2012 when NOAA began making satellite reports, suggest a tendency toward <u>larger sheen areas</u> than those reported by Taylor. From all data, and even de-emphasizing the large sheen areas suggested by the NOAA satellite data, OWOC estimates that the <u>total oil represented by sheen in MC20 since late 2004 exceeds that reported by Taylor by a factor of 27.</u> (The NOAA data alone, even assuming a sheen thickness no greater than 0.1 micron, would imply that this factor is 77, three times larger still than OWOC's estimate!)</p>
11	Anomalies in the Taylor Energy NRC Reports	<p>Anomalies in the Taylor Energy NRC reports are numerous, adding to questions about their accuracy, and for which we had to make some adjustments. For example:</p> <ul style="list-style-type: none"> <li>— Some Taylor reports provide no sheen appearance description at all, or no sheen dimensions, or both (!), and yet the reports provide non-zero estimates for Amounts of Material for that day's observation. To provide Bonn-corrections for those Taylor estimates, we use the sheen appearance descriptions or sizes from other observations made on the same day by OWOC or from Taylor observations on the days immediately before or after, or if those would produce an anomalously <u>large</u> correction, then we just multiply the Taylor estimate by a factor of 15. (We are choosing to err on the side of a minimal correction to the Taylor estimates, which may turn out to cause under-estimation, but we prefer to stay close to the average correction factors deduced from well documented observations by OWOC and other independent entities on the same days as the Taylor reports)</li> <li>— The Amounts of Material estimates from Taylor are cited to two and sometimes FOUR decimal places — i.e., they represent a precision of 0.0001 —0.01 gal, or between 8-hundredths of a teaspoon and 2.5 Tablespoons. This level of precision is indefensible and nonsensical both mathematically and practically, for observations made at 500-1000' above the sheen from aircraft moving at 100-150 kts.</li> </ul> <p>For example: On 2010 December 31, Taylor reported a sheen covering 2,178 sq ft and estimated an Amount of material of 0.0001 gal -- less than one-tenth of a TEASPOON. On 2011 February 10, Taylor reported a sheen covering 7,500 sq ft which they said involved 0.0003 gal of material — less than one-quarter of a teaspoon. And yet, on 17 of the days where OWOC published photos and videos of extensive rainbow sheen, Taylor reported small amounts and the sheen as "barely discernible." Etc.</p> <p>==&gt; We conclude that the Amounts of Material in the Taylor NRC reports are unreasonably small, primarily because of incorrect estimation procedures based on observed data and secondarily because some observations were inaccurate with regard to sheen size and appearance.</p>



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SEQNOS	INCIDENT DATE TIME	WIND SPEED	WIND DIRECTION	SHEEN COLOR	SHEEN-ODOR DESCRIPTION & SHEEN ADDITIONAL INFO	DIRECTION OF SHEEN TRAVEL	WAVE CONDITION	SHEEN SIZE: LENGTH (NW or FT)	SHEEN SIZE: WIDTH (NW or FT)	Reported Sheen Area (acres)	Reported Amt of Material ("RAM")	BAOAC- Estimated Amt of Material (Gal) ("BRAM")	Assumptions (BAOAC thicknesses for NRC data etc.)	Ratio of Corrected / Reported Amt of Mtrl "BRAM / RAM"	Reported Equiv Avg Thickness (micron) "RET"	BAOAC- Corrected Equiv Avg Thickness (micron) "BRET"	OWOC Sheen Area (acres)	WOC Observed Amt of Material (Gal) "WAM"	OWOC Equiv Thickness (micron) "WET"	OWOC / BAOAC-corrected Amt of Mtrl "WAM / BRAM"	OWOC / Reported Amt of Mtrl "WAM / RAM"	NOAA Sheen Area (acres)	NOAA Observed Amt of Material (Gal) "NAM"	NOAA Equiv Avg Thickness (micron) "NET"	NOAA / BAOAC-corrected Amt of Mtrl "NAM / BRAM"	NOAA / Reported Amt of Mtrl "NAM / RAM"	OTHER Sheen Area (acres)	OTHER Observed Amt of Material (GAL) "OAM"	OTHER Equiv Thickness (micron) "OET"			
1034633	2013-01-02 9:00	18	ENE	SILVERY		SW		1.6	200	45	0.28	10	0.2	37	0.005	0.200																
1034717	2013-01-03 10:00	20	SE	SILVERY		SSW		1.2	300	50	0.15	11	0.2	72	0.003	0.200																
See Article at <a href="http://OnWingsOfCare.org">OnWingsOfCare.org</a>	20130104				We followed it for 3 nm, between 100 -2000 ft, call it average 1000 ft wide, 35% coverage, 10% Rainbow with emulsion, 20% Silvery, 70% Light gray.		4	3	1000				10% R/w emulsion, 20% S, 35% coverage.				418	33	0.074	3	156.6											
1034799	2013-01-04 9:45	18	E	SILVERY		SW	5	2.2	200	61	0.21	13	S	62	0.003	0.200																
1034865	2013-01-05 10:30		SSE	SILVERY		4	1.2	600	100	1	21	0.2	21	0.009	0.200																	
1035014	2013-01-06 15:10			SILVERY			4	400	22	0.16	5	0.2	30	0.007	0.200																	
1035003	2013-01-07 9:30	19	SE	SILVERY	OTHER SHEEN COLORS ARE: 20% BARELY VISIBLE AND 30% SLIGHTLY COLORED.	4	3	500	209	0.1	60	0.1, 50% 0.2, 30% 0.5.	604	0.0094	0.270																	
1035094	2013-01-08 9:30	5	NW	SILVERY	SHEEN COLOR: 40% BARELY VISIBLE, 20% SILVERY, 20% SLIGHTLY COLORED, 20% RAINBOW.	3	4.1	400	229	7.49	0.31	93	0.2, 20% 0.5, 20% 1.0	12	0.031	0.380																
1035424	2013-01-11 9:00	13	SW	BARELY DISCERNIBLE	CRUDE OIL	4	2112	300	15	3.75	2	0.1	0	0.241	0.100																	
1035521	2013-01-12 12:00			RAINBOW		3	1.4	600	117	3.95	376	3.0	95	0.032	3.000																	
1035576	2013-01-13 10:15	11	SW	OTHER	SHEEN: 25% BARELY VISIBLE, 25% SILVERY, 25% SLIGHTLY COLORED, 15% BRIGHT, 10% DULL.	4	2.5	700	244	13.58	170	12	0.052	0.650																		
1035875	2013-01-16 13:55	14	N	SILVERY		SSW	3	2	200	56	0.37	12	32	0.006	0.200																	
1036020	2013-01-18 12:28	16	NE	RAINBOW		W	3	1	150	21	0.21	22	107	0.009	0.000																	
1036100	2013-01-19 9:30			SILVERY		2	1.9	200	53	0.35	11	32	0.006	0.200																		
See Web Article & NRC 1036176	20130120	6	NW		Silvery (50% with Rainbow (25%), light gray 25%. One line SW-NE (035°) 2 nm, 400 m (1200 ft. or 0.2nm) wide. Second line to SW, about 200 m (600 ft) wide but another 2 nm long, light gray. (Effective angle dimensions width 0.25 nm). NRC 1036176. They gave it Amt +0. They also misquoted it as 400 FT (instead of m for meters) wide.	1	2	0.25					28% R, 50% S, 25% BD				424	170	0.375	3.2	49.2											
1036176	2013-01-20 14:27	6	NW		OTHER CHRONIC OIL POLLUTION SITE SINCE 2004. APPROX 300-400M WIDE (NW-SE). APPROX 2NM LONG (SW-NE, ROUGHLY 035°). IN ADDITION, A NARROW SLICK LINE RUN AT LEAST 2 NM TO THE SOUTHWEST. METALLIC GRAY WITH RAINBOW SHEEN INTERSPERSED AND SOME DEEP REDDISH BROWN WEATHERED OIL CLUMPS IN PLACES. THIS IS A WEB REPORT - filed by <a href="http://OnWingsOfCare.org">OnWingsOfCare.org</a>	NE	2	0.20			0	0.2 (Silvery)	0.000														339	72	0.200			
1036223	2013-01-20 10:58			SILVERY			4.4	400	245	3.45	52	S	15	0.013	0.200																	
1036208	2013-01-21 9:45			SILVERY	OTHERSHEEN INFO: 20% BARELY VISIBLE, 40% SILVERY AND 40% RAINBOW	1	3	600	251	12.58	134	11	0.047	0.500																		
1036285	2013-01-22 9:30			BARELY DISCERNIBLE			3.1	200	86	2.36	9	4	0.026	0.100																		
1036368	2013-01-23 8:30			BARELY DISCERNIBLE		ENE	2.7	200	75	1.97	8	4	0.024	0.100																		
1036579	2013-01-25 9:00			BARELY DISCERNIBLE			4.9	400	273	6.4	29	5	0.022	0.100																		
1036679	2013-01-26 14:00			SILVERY			1.5	300	63	6.25	13	2	0.093	0.200																		
See Web Article & NRC 1036762	20130127	15	E-SE		This NRC Report was recorded with no info on sheen size and Zero Amt of Material. 797From OWOC web article: "Taylor Energy (NRC #2 Incident Report # 1036762): N28 54.552 W88 59.451 (and vicinity) 1245 CST. This slick is noticeable from many miles away. It stretched farther than we've ever seen it stretch before. We didn't notice as much heavy rainbow sheen as we have before, but it stretched north-northeastward farther than we've noticed before, at least two miles (2 nm). Our flight track paralleled the slick and will show its shape as it existed today. 75% Silvery, 20% Light Gray, 5% Rainbow.	2	8	0.1					5% R, 75% S, 20% BD				678	159	0.220	4.7	71.2											
1036720	2013-01-27 8:15		SE		SHEEN DESCRIPTION: 70% BARELY VISIBLE AND 30% SILVERY WITH 25% COVERAGE	3	2.6	300	109			4				0.033																
1036762	2013-01-28 2:03	15	S		OWOC filed this report. The NRC failed to list it under MC20 or Taylor Energy, and called the Amount of Material ZERO. It appears only under "Incident Commons". THIS REPORT WAS RECEIVED VIA THE WEB REPORTING SYSTEM N28 54.552 W88 59.451 (AND VICINITY) 1245 CST. THIS SLICK IS NOTICEABLE FROM MANY MILES AWAY. IT STRETCHED FARTHER THAN WE'VE EVER SEEN IT STRETCH BEFORE. WE DIDN'T NOTICE AS MUCH HEAVY RAINBOW SHEEN AS WE HAVE BEFORE. BUT IT STRETCHED NORTH-NORTHEASTWARD FARTHER THAN WE'VE NOTICED BEFORE. AT LEAST TWO MILES (2 NM).		8	0.1					[From OWOC Web report, see below: 75% Silvery, 20% Light Gray, 5% Rainbow.]				678	159	0.220													
1036804	2013-01-28 2:20	13	SSE		SHEEN IS 20% SILVERY, 20% BARELY VISIBLE, 30% SLIGHTLY COLORED, 30% BRIGHTLY COLORED.	NNE	3	1.5	300	63	2.24	34	30% R, 30% FC, 20% S, 20% BD	15	0.033	0.510																
1036977	2013-01-29 10:45			SILVERY	SHEEN WAS 70% BARELY VISIBLE AND 30% SILVERY	7	4224	200	19	0.05	3	54	0.002	0.130																		
1037189	2013-01-31 10:53	12	ENE	BARELY DISCERNIBLE		WSW	4	6	500	42	0.11	4	41	0.002	0.100																	
1037274	2013-02-01 10:45			SILVERY			1.9	800	212	1.26	227	180	0.006	1.000																		
1037346	2013-02-02 10:05	12	SE	SILVERY		3	1.8	800	201	1.64	215	131	0.008	1.000																		
1037422	2013-02-03 10:40	12	W		SHEEN COLOR: 50% SILVERY 49% BARELY VISIBLE AND 1% DARK	2	1.9	400	106	3.37	28	8	0.030	0.249																		
1037491	2013-02-04 9:00				SHEEN COLOR: 19% BARELY VISIBLE 40% SILVERY, 10% SLIGHTLY COLORED, 30% BRIGHTLY COLORED.	0	5.7	600	477	15.16	234	0.2	15	0.030	0.459																	



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1037633	2013-02-05 12:30	7	N				3			292	0.82		0.1 Barely Disc. Area= Avg + 1 day		38	0.003																
1037727	2013-02-06 12:15	16	SSE				4	5.2	150	109	5.2		23	0.2	4	0.045	0.200															
1037809	2013-02-07 9:30	20	ENE	BARELY DISCERNIBLE		SE	4	1	150	21	0.21				11	0.009	0.100															
1037947	2013-02-08 12:15			BARELY DISCERNIBLE	CRUDE OIL		3	4.8	200	134	2.27				6	0.016	0.100															
1038075	2013-02-10 9:00	17	S	BARELY DISCERNIBLE		SE	5	1.2	800	134	3.82				4	0.027	0.100															
1038501	2013-02-14 10:30	8	E	BROWN			2	3	150	63	0.64	201	3.0 Dull		315	0.010	3.000															
1038616	2013-02-15 9:45	9	E	SILVERY			2	6.6	400	368	6.1	394			65	0.015	1.000															
OWOC Web Article	20130217	15	SE		Did not fly directly over it but saw it easily from miles away. Therefore 50-50 Silvery/Barely Discernible.		3	3	150				50%S, 50% BD				63	10	0.150	2	46.7											
1038767	2013-02-17 10:05	4		BARELY DISCERNIBLE			0	3	100	42	0.22	4			20	0.005	0.100															
1038786	2013-02-18 9:45	17	SSE	BARELY DISCERNIBLE			4	.8	100	11	0.02	1			60	0.002	0.100															
1038874	2013-02-19 10:50	6	ESE	BARELY DISCERNIBLE			2	3.7	150	77	0.58	8			14	0.007	0.100															
1038964	2013-02-20 10:05	19	ENE	BARELY DISCERNIBLE		WSW	3	1.3	250	45	0.51	5			10	0.011	0.100															
1039087	2013-02-21 11:15	12	S	BARELY DISCERNIBLE			4	1.8	150	38	0.43	4			9	0.011	0.100															
1039233	2013-02-23 9:50			BARELY DISCERNIBLE	CRUDE OIL	SW	3	6.5	250	227	3.76	24			6	0.016	0.100															
1039282	2013-02-24 10:10				SHEEN COLOR: 65% BARELY VISIBLE; 25% SILVERY; SLIGHTLY COLORED AND 5% SLIGHTLY COLORED.		3	4.6	250	160	2.39	29			12	0.014	0.168															
1039560	2013-02-27 9:45	4	E	BARELY DISCERNIBLE		NNE	0	2.5	200	70	0.91	7			8	0.012	0.100															
1039676	2013-02-28 8:25	14	N	SILVERY			1	400	56	0.15	12				80	0.003	0.200															
1039781	2013-03-01 8:45	7	NW				2			0	1.07	20	21.4 x 20		20																	
1039899	2013-03-02 9:09	13	NE	BARELY DISCERNIBLE			4	1.7	300	71	0.15	8			51	0.002	0.100															
1039960	2013-03-03 9:45			SILVERY				300	200	14	0.3	0				0.200																
1040024	2013-03-04 11:35	12	SE	BARELY DISCERNIBLE		NNE	3	3	300	126	0.08	13			168	0.031	0.100															
1040116	2013-03-05 9:45	15	WSW	BARELY DISCERNIBLE		ENE	4	4	20	11	0.0492	1			24	0.004	0.100															
1040213	2013-03-06 11:00	20	NE	BARELY DISCERNIBLE			4	1	1000	139	0.71	15			21	0.005	0.100															
1040340	2013-03-07 9:35			BARELY DISCERNIBLE			2	2.5	300	105	0.2	11			58	0.002	0.100															
OWOC Web Article & NRC 1040575	20130308	2	ESE		From the OWOC Flight Log: "The Taylor Energy area (southeast of the delta) looked strange, with very large expanses of cloudiness and foam; we wondered what had happened to cause this strange change from how things here have looked for the past year or more. But then a mile or two farther east, we saw many patches of rainbow sheen, forming a line stretching southward." **NRCs - #1040575# 0499: N28 55.354 W89 04.140 1251 CST. Taylor Energy -- East of the weird cloudy patches and foam lines, we found familiar rainbow patches, running a N-S line ~ 2 nm long, 25-30 m wide (see 0499-0500 below). 0499: N28 57.115 W89 01.322 1254 CST More rainbow patches. 0500: N28 57.717 W88 59.646 1256 CST N end of the line of rainbow patches near Taylor. Note previous locations of the Taylor Energy slicks, such as this from 20130217: N28 56.27 W89 01.8 (from 20130217) The NRC Report shows ZERO Amt of Material. (They mis-report meters ("m") as ft, too.) OWOC photos & log indicate: Total effectively 2.5 nm long, 1 nm wide with about 0.5 light gray, 0.3 silvery, 0.2 rainbow. (Agrees with sum of separate descriptions of the rainbow patches with the longer silvery/sheen.)		2	2.5	1				20% R, 30%S, 50% BD			2.119	702	0.310	4	35.9												
1040435	2013-03-08 10:20	12	NE	BARELY DISCERNIBLE		NNE	2	2	1	1,895	19.57	181	BD		9	0.011	0.100															
1040575	2013-03-08 12:54				***WEB REPORT*** LINE OF RAINBOW SHEEN RUNNING NORTH TO SOUTH, APPROX. 2 NM LONG, 25-50 M WIDE. (See OWOC details below. Total length 2.5 nm long, 1 nm wide with about 0.5 light gray, 0.3 silvery, 0.2 rainbow. (Agrees with sum of separate descriptions of the rainbow patches with the longer silvery/sheen.)			2.5	1		0		See OWOC details. Total 2.5 nm long, 1 nm wide; 50% light gray, 30% silvery, 20%Rainbow														2,119	702	0.3			
1040530	2013-03-09 9:40	9	SE	BARELY DISCERNIBLE		N	2	1.6	700	156	1.3	17			13	0.008	0.100															
1040720	2013-03-11 14:00			SILVERY				1.7	150	36	0.31	8			25	0.008	0.200															
1040847	2013-03-12 10:00			BARELY DISCERNIBLE				2.6	100	36	0.8	4			5	0.021	0.100															
1040915	2013-03-13 8:33	16	NE	BARELY DISCERNIBLE			4	2.5	200	70	0.31	7			24	0.004	0.100															



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SEQNOS	INCIDENT DATE TIME	WIND SPEED	WIND DIRECTION	SHEEN COLOR	SHEEN-ODOR DESCRIPTION & SHEEN ADDITIONAL INFO	DIRECTION OF SHEEN TRAVEL	WAVE CONDITION	SHEEN SIZE: LENGTH (NM or FT)	SHEEN SIZE: WIDTH (NM or FT)	Reported Sheen Area (acres)	Reported Amt of Material (Gal) -"RAM"	BAOAC-Estimated Amt of Material (Gal) -"BRAM"	Assumptions (BAOAC thicknesses for NRC data etc.)	Ratio of Corrected / Reported Amt of Mtrl -"BRAM / RAM"	Reported Equiv Avg Thickness (micron) "RET"	BAOAC-Corrected Equiv Avg Thickness (micron) "BRET"	OWOC Sheen Area (acres)	WOC Observed Amt of Material (Gal) -"WAM"	OWOC Equiv Thickness (micron) -"WET"	OWOC / BAOAC-corrected Amt of Mtrl -"WAM/ BRAM"	OWOC / Reported Amt of Mtrl -"WAM/ RAM"	NOAA Sheen Area (acres)	NOAA Observed Amt of Material (Gal) -"NAM"	NOAA Equiv Avg Thickness (micron) -"NET"	NOAA / BAOAC-corrected Amt of Mtrl -"NAM/ BRAM"	NOAA / Reported Amt of Mtrl -"NAM/ RAM"	OTHER Sheen Area (acres)	OTHER Observed Amt of Material (GAL) -"OAM"	OTHER Equiv Thickness (micron) -"OET"		
1040956	2013-03-13 15:21	15	NE		AN ELONGATED SUSPECTED OIL SHEEN IS OBSERVED IN THE SATELLITE IMAGE TAKEN OFF THE COAST OF SOUTHEAST LA. SHEEN IS SEEN STRETCHING TOWARD THE SOUTHWEST OF THE SUSPECTED POINT SOURCE. THE DIRECTION OF THE SHEEN FROM POINT SOURCE MATCHES VERY WELL WITH 15 KT WINDS FROM THE NORTHEAST. SHEEN IS ESTIMATED TO BE 3.5 MILES LONG BY 0.3 MILES WIDE.			3.5	.3	890	0	95	0.1 (Barely Discernible)			0.100						890	95	0.100	12.8	306.9					
1041040	2013-03-14 9:00	21	E		BARELY DISCERNIBLE		3	3	50	21	0.8	2		3	0.036	0.100															
1041141	2013-03-15 9:30				BARELY DISCERNIBLE			6.3	100	88	0.1	9		94	0.001	0.100															
OWOC Web Article & NRC No. 1041256	20130316		10	S			2	1.3	0.1				5% Dark, 50% R, 45% S			110	128	1.090	10	97.3											
					From OWOC website: "The Taylor Energy area (12-14 miles off shore, southeast from the delta) still has quite a bit of rainbow sheen, and some of that had what looked like brown weathered crude floating in it. Today the area of heaviest concentration we found ran from west to east about 1-1.5 nm, and was about 150-200 m wide (north to south). "NRC2 - #1041256, 0523. N28 56.790 W88 58.462. 1331 CDT. (Taylor Energy) West end of a line of sheen running west to east, at least 1 nm long and about 150-200 m wide (north to south). Lots of rainbow sheen, some brownish-red weathered crude at the east end of it. Note that this position is north by several (~4) nm of where we noted it last Friday and where we've seen the heaviest concentration in the past." Hidden under "Incident Commons", with no reference to Taylor Energy or MC20. IS "TWEET REPORT POINT BELOW IS THE WEST END OF A LINE OF SHEEN RUNNING WEST TO EAST, AT LEAST 1 NM LONG AND ABOUT 150-200 M WIDE. (NORTH TO SOUTH). LOTS OF RAINBOW SHEEN, SOME BROWNISH-RED WEATHERED CRUDE AT THE EAST END OF IT. EAST END IS JUST WEST OF THE NYKOR ENERGY PLATFORM AND IS ROUGHLY AT N28 56.333 W88 58.136"																										
1041227	2013-03-16 11:16				SILVERY		2	1.2	350	59	1.32	13	S	9	0.021	0.200															
1041256	2013-03-16 19:23	10	S		See OWOC web report for much more detail. (50% rainbow, 5% dark, 45% silvery). NRC gave no info despite receiving OWOC's full report, but under INCIDENT COMMONS they		2	1.3	0.1	110	0	128	(50% rainbow, 5% dark, 45% silvery).			1.090												110	128	1.090	
1041302	2013-03-17 9:45	5	SSE		RAINBOW	N	2	3.5	500	244	11.71	783		67	0.095	3.000															
1041407	2013-03-18 9:45							3.5	500	244	10.45	52	0.2 Silvery	5	0.040	0.200															
1041409	2013-03-18 11:46				BARELY DISCERNIBLE			6.9	1500	1,444	18.99	154		8	0.012	0.100															
1041506	2013-03-19 8:35	17	NE			3	2.5	250	87	1.98	19	0.2 (silvery)		10	0.021	0.200															
1041606	2013-03-20 9:15				BARELY DISCERNIBLE		3	5	25	17	0.03	2		62	0.002	0.100															
1041730	2013-03-21 9:00				BARELY DISCERNIBLE			6.5	50	45	0.38	5		13	0.008	0.100															
1041821	2013-03-22 9:30	9	SE		RAINBOW SHEEN COLOR: 80% BARELY VISIBLE		4	2	900	251	3.9	75	20% Rainbow	19	0.015	0.280															
1041934	2013-03-23 13:15				BARELY DISCERNIBLE CRUDE OIL		2	4	50	28	0.45	3		7	0.015	0.100															
1041974	2013-03-24 10:30				BARELY DISCERNIBLE		3	200	84	0.6	9			15	0.007	0.100															
1042136	2013-03-26 9:40				SHEEN COLOR: 74% BARELY VISIBLE, 25% SILVERY AND 1% DULL		4	1.4	200	39	0.1	8		64	0.002	0.154															
1042235	2013-03-27 10:10	8	NE		BARELY DISCERNIBLE	WNW	2	3.5	50	24	0.19	3		14	0.007	0.100															
1042336	2013-03-28 9:50	5	N		SILVERY		2	3.6	500	244	3.09	52		17	0.012	0.200															
1042439	2013-03-29 9:45				SILVERY	NE	11	11	400	814	24.35	131		5	0.037	0.200															
1042513	2013-03-30 9:30				OTHER	SE	2	2.4	200	67	5.82	14		2	0.083	0.200															
1042871	2013-03-31 11:30				40% BRIGHTLY COLORED SHEEN		2	6.7	300	280	12.91	156	60% silvery	12	0.043	0.520															
1042862	2013-04-01 13:15						4	100	56	1.31	12	0.2 (silvery)		9	0.022	0.200															
OWOC Web Article	20130402	15	SE		From the OWOC flt log: "An orange buoy was placed at the point-like apparent origin on the E-NE end of the sheen, which extended at least 2 nm NW-SE, and was as wide as 0.5 nm (NE-SW) at its widest point. Most of our photos were taken looking W or N.... (GPS Points) 0537: N28 57.573 W88 58.646 1213 CDT. Southeast end of the Taylor stick today. First photos taken looking W-NW. Orange buoy at the E-SE end of the stick, marking the apparent point-like origin. 0538: N28 58.169 W88 58.263 1216 CDT. Northwest corner of the Taylor stick. The apparent line through the stick is the wake of a large vessel that transited the area prior to our arrival from east to west (it is still in the western edge of our photos). The vessel was "MAGS" from Hong Kong. 10% Rainbow, 30% Silvery, 80% Barely Discernible.		3	2	0.5					10%R, 30% S, 60% BD				848	199	0.220	15	98.2									
1042729	2013-04-02 10:46	8	NE		BARELY DISCERNIBLE		2	2.5	350	122	2.03	13	S	6	0.016	0.100															
1042969	2013-04-04 13:00				BARELY DISCERNIBLE		2	2.6	35	13	0.12	1		11	0.009	0.100															
1043063	2013-04-05 12:15				BARELY DISCERNIBLE	NNW	3	1.7	40	9	0.14	1		7	0.014	0.100															
1043128	2013-04-06 11:30				BARELY DISCERNIBLE CRUDE OIL	SW	0	6.5	30	27	0.3	3		10	0.010	0.100															



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1043208	2013-04-07 10:15	10	SSE	BARELY DISCERNIBLE	5% SILVER, 5% BRIGHTLY COLORED	S	1	5.25	90	66	0	11				0.150															
1043280	2013-04-08 9:52	8	E	BARELY DISCERNIBLE				3.5	50	24	0.52	3	Use for comparison w/	5	0.020	0.100															
1043239	2013-04-07 15:34				MARINE POLLUTION SURVEILLANCE REPORTS ARE FOR INTERNAL GOVERNMENT USE ONLY. DATE: APRIL 7, 2013. LOCATION: DESTROYED TAYLOR PLATFORM - LOUISIANA'S BIRD FOOT REGION. CONFIDENCE: HIGH ANALYSIS SUMMARY: -AN AREA OF SUSPECTED OIL WAS DETECTED ORIGINATING FROM THE DESTROYED TAYLOR PLATFORM NEAR LOUISIANA'S BIRD FOOT REGION. THIS SUSPECTED OIL WAS ALSO VISIBLE IN TODAY'S MODIS TERRA IMAGE, BUT THE LANDSAT-7 IMAGE PROVIDED MORE DETAIL OF THE EXTENT OF OIL. THE OIL SLICK EXTENDED ABOUT 14.4 KILOMETERS TO THE SOUTHWEST, COHERENT WITH THE DIRECTION OF THE OCEAN'S SURFACE CURRENTS. THE SLICK EXHIBITED A SHIMMERY APPEARANCE ALONG ITS NORTHERN EDGE WHERE IT APPEARED ITS THICKEST AND THEN FEATHERED OUT TOWARDS THE SOUTH AND EAST ABOUT 1.7 KILOMETERS, WHICH CORRESPONDS WELL WITH DIRECTION OF THE SURFACE WINDS IN THE AREA. THIS INCIDENT REPORT WAS GENERATED FROM AN NRC WATCHSTANDER FROM AN NOAA NESDIS MARINE POLLUTION SURVEILLANCE REPORT.	SW		7.8	90.0			0		Use sheen width per Taylor NRC report today.									98	10	0.100	4.0	20.1				
1043408	2013-04-09 11:15	20	SE	BARELY DISCERNIBLE		SE	3	1.5	50	10	0.22	1		5	0.020	0.100															
1043529	2013-04-10 10:00			BARELY DISCERNIBLE			4	1.6	200	45	0.19	5		25	0.004	0.100															
1043776	2013-04-12 14:44			BARELY DISCERNIBLE	CRUDE OIL	WSW	3	2.6	50	18	0.08	2		24	0.004	0.100															
1043840	2013-04-13 9:30			BARELY DISCERNIBLE	SHEEN: 40% SILVERY, 60% BARELY VISIBLE.		4	7	200	195	1.4	29		21	0.007	0.140															
1044136	2013-04-16 12:05	15	SE	BARELY DISCERNIBLE			4	3	50	21	0.21	2		11	0.009	0.100															
1044232	2013-04-17 10:15			SILVERY	CRUDE OIL	WSW	3	3.5	50	24	0.29	5		18	0.011	0.200															
1044342	2013-04-18 9:30	22	SSE	BARELY DISCERNIBLE	SHEEN: 5% SILVERY		3	1.8	350	88	0.72	10		14	0.008	0.105															
1044563	2013-04-20 10:15			BARELY DISCERNIBLE	CRUDE OIL	SSW	4	3.2	200	89	1.09	10		9	0.011	0.100															
1044624	2013-04-21 9:30	11	ENE					4.9	100	68	1.28	15	0.2 (Silvery)	11	0.018	0.200															
1044685	2013-04-22 9:45			SILVERY			3	1.5	30	6	0.07	1		19	0.010	0.200															
1044828	2013-04-23 10:15	13	SSE	SILVERY			3	2.6	400	145	1.41	31		22	0.009	0.200															
1044851	2013-04-23 17:31				****RECEIVED VIA NOAA'S MARINE POLLUTION SURVEILLANCE REPORT**** AN AREA OF POSSIBLE OIL CAN BE SEEN EMANATING TO THE NORTH/NORTHWEST FROM THE DESTROYED TAYLOR PLATFORM SITE. SURFACE WINDS AND OCEAN CURRENTS ARE OUT OF THE SOUTHEAST ACROSS THE REGION. THE MAIN AREA OF OIL DIRECTLY CONNECTED TO THE POINT SOURCE CAN BE SEEN MOVING TOWARDS THE NORTH WITH ADDITIONAL OIL ELONGATED OUT ON WHAT APPEARS TO BE A CONVERGENCE BOUNDARY IN THAT REGION. THIS ELONGATED PORTION OF THE OIL HAS A BIT OF A FEATHERING STRUCTURE TO IT AND HAS LIKELY BEEN IN THIS AREA OF THE CONVERGENCE ZONE FOR A LONGER PERIOD OF TIME.	NNW		2.6	400		0		Use with based on Taylor NRC report this day. 0.1 micron => 16 gal, not 1.41.									145	16	0.100	0.5	11.0					
1044933	2013-04-24 9:25	15	SE	BARELY DISCERNIBLE	SHEEN 90% BARELY VISIBLE, 10% SILVERY	NNW	2	2.5	100	35	0.13	4		29	0.003	0.100															
1045178	2013-04-26 9:05			SILVERY		W	2	6.5	300	272	2.6	58		22	0.009	0.200															
1045280	2013-04-27 10:00			OTHER		W	2	6.4	200	179	1.09	38	0.2 (Silvery)	35	0.006	0.200															
1045358	2013-04-28 9:15	10	SSE	SILVERY	SHEEN WAS 50% SILVERY		2	3.5	1	2,966	63.23	634		10	0.020	0.200															
1045384	2013-04-28 15:15	5					2			0	23.6			20		472 X20															
1045685	2013-05-01 8:10			BARELY DISCERNIBLE		W		1.8	50	13	0.07	1		19	0.005	0.100															
1045816	2013-05-02 9:30			BARELY DISCERNIBLE		SW	2	14	50	98	0.8	10		13	0.008	0.100															
1045958	2013-05-03 10:20			BARELY DISCERNIBLE	CRUDE OIL		2	10	25	35	1.04	4		4	0.028	0.100															
1046022	2013-05-04 10:45	18	NNW	BARELY DISCERNIBLE		SSW	3	4.6	50	32	1.18	3		19	0.005	0.100															
1046174	2013-05-06 10:00			BARELY DISCERNIBLE			0	8	2	13,560	100.37	1,450		14	0.007	0.100															
1046209	2013-05-06 13:50	15		BARELY DISCERNIBLE		NE		6.7	80	75	0.48	8		17	0.006	0.100															
1046310	2013-05-07 10:00	5	NNW	BARELY DISCERNIBLE	SHEEN COLOR, 55% BARELY VISIBLE, 40% SILVERY AND 5% SLIGHTLY COLORED		2	4.9	400	273	2.17	47		22	0.007	0.160															
1046402	2013-05-08 6:30			BARELY DISCERNIBLE		E		12	150	251	3.07	27		9	0.011	0.100															





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1047090 & 1047094 (identical)	2013-05-09 10:00	8	SSE	BARELY DISCERNIBLE				8.5	200	237	1.7	25		15	0.007	0.100															
1046616	2013-05-10 20:00	10	SE		NOAA: REPORT RECEIVED FROM NOAA EMAIL: SUSPECTED OIL IS EMANATING FROM THE DESTROYED TAYLOR ENERGY PLATFORM IN THE NORTHEAST DIRECTION FOR 25 KM: THE WIDTH OF THE SLICK IS APPROXIMATELY 0.2 KM EXCEPT FOR BETWEEN THE LENGTH OF 5 AND 9 KM WHERE THE SLICK REACHES 0.8 KM IN WIDTH. SURFACE WINDS ARE SOUTHEASTERLY AT 10-15 KTS. THERE ARE NO UNCERTAINTIES. CONFIDENCE IS HIGH.			13.5	0.1		0	0.1 minimum					2,718	291	0.100	11.5	170.9										
1046886	2013-05-11 11:45			SILVERY		E	2	2.2	200	61	1.66	13		8	0.025	0.200															
1047085	2013-05-13 10:25	12	N	SILVERY			3	2	200	56	0.61	12		20	0.010	0.200															
1047388	2013-05-14 9:45				NO SHEEN INFO		0				1.48	29.6	x20	20																	
1047092	2013-05-14 11:45			SILVERY				6	1000	84	1.54	18		12	0.017	0.200															
1047119	2013-05-14 12:00				****MARINE POLLUTION SURVEILLANCE REPORT**** AS PER EMAIL. ANALYSIS SUMMARY: SUSPECTED OIL ANOMALY STRETCHING 11 KM WEST FROM DESTROYED TAYLOR PLATFORM AND IS ABOUT 1 KM WIDE. WINDS AND CURRENTS MATCH UP PRETTY WELL WITH DIRECTION OF FLOW. OIL ANOMALY IS ON THE EAST EDGE OF SUN GLINT. UNCERTAINTIES: LITTLE TO NO UNCERTAINTY EXISTS WITH THIS AREA OF POSSIBLE OIL SINCE IT IS ASSOCIATED WITH A KNOWN AND REPEAT LEAK SITE.			5.9	0.5		0	0	0.1 micron minimum => 291 gal, not 1.54 gal.					2,718	291	0.100	16.2	185.7									
1047201	2013-05-15 9:30			BARELY DISCERNIBLE			0	6.55	50	46	0.28	5		17	0.006	0.100															
1047350	2013-05-16 9:15	8	SE	BARELY DISCERNIBLE	CRUDE OIL	NE	0	4	50	28	0.23	3		13	0.008	0.100															
1047469	2013-05-17 9:25	9	SE	BARELY DISCERNIBLE		ENE	2	27984	40	26	0.19	3		14	0.007	0.100															
1047514	2013-05-17 18:38				REPORT RECEIVED FROM NOAA EMAIL: SUNGLINT OVER THE GULF OF MEXICO ALLOWS FOR THE VIEWING OF THE OIL BEING EMITTED FROM THE LOCATION OF THE DESTROYED TAYLOR PLATFORM. THE OIL EXTENDS EAST FROM THE POINT SOURCE. THERE IS HIGH CONFIDENCE IN THIS ANALYSIS. UNCERTAINTIES: BEING IN SUNGLINT AND WITH FEW CLOUDS IN THE AREA THERE IS HIGH CONFIDENCE IN THE ANALYSIS.			4.6	40		0	0.1 micron minimum => 3 gal, not 0.19					26	3	0.100	1.0	14.5										
1047565	2013-05-18 8:45			BARELY DISCERNIBLE				15.2	30.5	65	0.55	7		13	0.008	0.100															
1047631	2013-05-19 9:10	5	SW	BARELY DISCERNIBLE				12.5	30	52	0.57	6	0.1	10	0.010	0.100															
1047710	2013-05-20 9:15	11	SE	BARELY DISCERNIBLE			2	11	30	46	0.64	5		8	0.013	0.100															
1047834	2013-05-21 9:00	8	SE			NE	1	6	100	84	0.65	18	0.2 (Silvery)	28	0.007	0.200															
1047940	2013-05-22 8:25	3	N	SILVERY		NE	2	6.9	500	461	0.19	103		13	0.016	0.200															
1048095	2013-05-23 10:30			RAINBOW		WSW		5.8	100	81	1.69	86		51	0.020	1.000															
OWOC Web Article	20130524	10	N		Stacy at NE end (click extending SW). GPS#0503 Rainbow sheen 800ft wide extends 5+ miles, and silvery/gray sheen much wider, maybe 0.5 miles wide for the full length. Stacy 5x2 miles, 10% rainbow, 20% Silvery, 70% BD		2	5	0.5				18% FL, 20% S, 70% BD				2,119	476	0.210	4	38.7										
1048203	2013-05-24 10:00		NW	SILVERY			2	6	800	502	12.28	107	S	9	0.023	0.200															
1048311	2013-05-25 10:00	11	E	SILVERY			3	5	200	139	3.04	30		10	0.020	0.200															
1048312	2013-05-25 16:33	15	E		****NOAA NESDIS REPORT**** SHEEN IS APPROXIMATELY 9.3 KM SQUARE			4.8	4.8		0	0.1 micron minimum => 2,093 gal, not 3.04 gal.					19,575	2,093	0.100	70.2	688.3										
1048378	2013-05-26 10:15	6	E	SILVERY			2	8.6	200	240	3.67	51		14	0.014	0.200															
1048541	2013-05-28 9:30			BARELY DISCERNIBLE		SSW	3	3.5	100	49	0.28	5		19	0.005	0.100															
1048572	2013-05-28 18:20		SE		REPORT RECEIVED FROM NOAA EMAIL: AN AREA OF POSSIBLE OIL EXTENDS TO THE SOUTHWEST OF THE DESTROYED TAYLOR PLATFORM THIS AFTERNOON. ATMOSPHERIC CONDITIONS SHOW MOSTLY CLEAR SKIES OVER THE POINT SOURCE WITH LIGHT SURFACE WINDS OUT OF THE EAST/SOUTHEAST. OCEAN CURRENTS ARE CURRENTLY OUT OF THE EAST. NORTHEAST AQUA MODES TWICE TAKEN ALMOST 2 HOURS LATER SHOWS THE SAME AREA OF OIL WHICH ENHANCES THE CONFIDENCE OF THIS ANALYSIS.			3.5	100		0	Use length/width at least as large as other NPIC report this day. 0.1 micron minimum => 5 gal, not 0.28 gal.					49	5	0.100	1.0	18.6										
1048640	2013-05-29 8:30			BARELY DISCERNIBLE		WSW	3	2.6	200	70	0.28	7		29	0.003	0.100															





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SEQNOS	INCIDENT DATE TIME	WIND SPEED	WIND DIRECTION	SHEEN COLOR	SHEEN-ODOR DESCRIPTION & SHEEN ADDITIONAL INFO	DIRECTION OF SHEEN TRAVEL	WAVE CON-DITION	SHEEN SIZE: LENGTH (NM or FT)	SHEEN SIZE: WIDTH (NM or FT)	Reported Sheen Area (acres)	Reported Amt of Material (Gal) -"RAM"	BAOAC- Estimated Amt of Material (Gal) -"BRAM"	Assumptions (BAOAC thicknesses for NRC data etc.)	Ratio of Corrected / Reported Amt of Mtrl -"BRAM / RAM"	Reported Equiv Avg Thickness (micron) "RET"	BAOAC- Corrected Equiv Avg Thickness (micron) "BRET"	OWOC Sheen Area (acres)	WOC Observed Amt of Material (Gal) -"WAM"	OWOC Equiv Thickness (micron) -"WET"	OWOC / BAOAC-corrected Amt of Mtrl -"WAM/ BRAM"	OWOC / Reported Amt of Mtrl -"WAM/ RAM"	NOAA Sheen Area (acres)	NOAA Observed Amt of Material (Gal) -"NAM"	NOAA Equiv Avg Thickness (micron) -"NET"	NOAA / BAOAC-corrected Amt of Mtrl -"NAM/ BRAM"	NOAA / Reported Amt of Mtrl -"NAM/ RAM"	OTHER Sheen Area (acres)	OTHER Observed Amt of Material (GAL) -"OAM"	OTHER Equiv Thickness (micron) -"OET"				
1048739	2013-05-30 9:00	12	SE	BARELY DISCERNIBLE		W	3	1.8	150	38	0.15	4		27	0.004	0.100																	
1048847	2013-05-31 8:45	8	E	BARELY DISCERNIBLE		WSW	2	8.5	50	59	0.62	6		10	0.010	0.100																	
1048953	2013-06-01 9:00		SSE			SW	2	6.5	200	181	3.24	39	0.2 (Silvery)	12	0.017	0.200																	
1049029	2013-06-02 10:45	5	E	BARELY DISCERNIBLE	15% SILVER, 15% SLIGHT, 10% BRIGHT	SW	2	6.6	50	46	1.08	13	60% barely discernible	12	0.022	0.265																	
OWOC Web Article & NRC No. 1049216	20130603	5	SE		From OWOC Fil Log: "The map of our flight tracks gives the true path of the part of the meandering 15-30-meter-wide band of thick rainbow sheen at this chronic pollution site that we followed. We first flew up to the buoy at its northeast point of apparent beginning (the NE buoy)", then flew along the thickest band of oil we saw, moving southward. We do not know if there was significantly more oil east of our ~10-nm-long path southward. However, at about 10 nm southward, after we had found lots of oil sargassum mixed in with the oil at a convergence line, we noticed heavy oil continuing eastward, and we followed it for about 5.5 nm. Thus you see another large "loop" in our flight tracks beginning about 10 nm south from the NE buoy and going about 5.5 nm eastward. The oil continued eastward at that point, but we stopped following it because of time constraints on our flight. As explained in our full article for today, the path of oil we followed alone was about 30 nm long, as proven by the details of our flight tracks. Since the line of rainbow oil along our tracks was between 15 and 30 m wide at all points along our flight, that would mean that the area of oil we witnessed was between 225 and 450 acres. It is commonly assumed that for oil to be clearly visible on water from an altitude of 1000-1500' above, its thickness must be at least 1 micron. An acres of 1-micron thick substance is comparable to a volume of approximately 1 gallon. Thus, our flight path alone was witness to between 225 and 450 gallons of surface oil." COMMENT: See photos and map of flight track concentrated "lentacles" of sheen winding into sargassum.		1	15.5	50											108	116	1.000	12	218.0									
1049122	2013-06-03 9:00	5		BARELY DISCERNIBLE	15% BRIGHTLY, 10% SILVERY, 5% SLIGHTLY	SE	2	4.8	50	33	0.53	9	15% R, 5% FG, 10% S, 70% BD	18	0.015	0.265																	
1049216	2013-06-04 7:05	10	SE		RAINBOW CALLER IS REPORTING AN UNKNOWN SHEEN IN THE GULF OF MEXICO FROM AN UNKNOWN SOURCE IN THREE LOCATIONS. 28-56N, 88-58 W 28-47N, 88-00W 28-49N, 88-54 W			1	29.9	50	0		Rainbow 1.0														209	222.9	1.0				
1049243	2013-06-04 9:30			BARELY DISCERNIBLE			0	5	100	70	1.85	7		4	0.025	0.100																	
1049246	2013-06-04 9:30			SILVERY			0	15	200	418	0	89			0.000	0.200																	
1049353	2013-06-05 8:55	14	ESE	SILVERY		SSW	4	1.7	300	71	2.28	15		7	0.030	0.200																	
1049482	2013-06-06 8:30			SILVERY		SW	3	5.1	200	142	1.64	30		19	0.011	0.200																	
1049605	2013-06-07 8:45	10	WSW	BARELY DISCERNIBLE		SSW	3	3.2	100	45	0.21	5		23	0.004	0.100																	
1049718	2013-06-08 10:15	7	SSE	SILVERY	CRUDE OIL	3	3.9	200	106	3.01	23	8		8	0.026	0.200																	
1049786	2013-06-09 9:05			SILVERY		3	1.8	200	50	0.28	11	38		38	0.005	0.200																	
1049901	2013-06-10 9:45	4	S	SILVERY		0	6.5	300	272	11.34	58	5		5	0.039	0.200																	
1050024	2013-06-11 10:00			SILVERY		2	3	50	21	0.35	4	13		13	0.016	0.200																	
1050090	2013-06-11 17:30						0		10		200	X 20		20																			
1050170	2013-06-12 9:00	4	W			2	3	150	63	1.18	13	0.2 (Silvery)		11	0.018	0.200																	
1050310	2013-06-13 9:30	10	NNW	BARELY DISCERNIBLE		ESE	0	2.8	150	56	0.48	6		13	0.008	0.100																	
1050432	2013-06-14 10:15	15	N	BARELY DISCERNIBLE		E	2	3.88	150	81	0.8	9		11	0.009	0.100																	
1050506	2013-06-15 10:00	6	S	BARELY DISCERNIBLE		N	1	6.3	50	44	0.31	5		15	0.007	0.100																	
1050585	2013-06-16 9:10	7	SW	BARELY DISCERNIBLE		2	3.65	50	25	0.36	3	8		8	0.013	0.100																	
1050710	2013-06-17 10:05			SILVERY		ESE	2	10	50	70	1.43	15		10	0.019	0.200																	
1050715	2013-06-17 14:16			BARELY DISCERNIBLE	(Taylor report)			22			0	0																					
1050825	2013-06-18 10:00			BARELY DISCERNIBLE	****NEDDIS REPORT**** AN OIL SLICK EXTENDED 48 KM TO THE EAST-NORTHEAST OF THE ABANDONED TAYLOR PLATFORM. THE SLICK WAS UP TO 3.5 KM WIDE. SKY CONDITIONS WERE MOSTLY CLEAR AND THE WINDS WERE FROM THE WEST-SOUTHWEST AT 10 KNOTS AT THE TIME OF THE IMAGE.			10.1	200	282	3.84	30		8	0.013	0.100																	
1050860	2013-06-18 14:05	10	WAW					26.5	1.9		0		0.1 micron min. => 4.531 gal, not 3.84 gal.									42,383	4,531	0.100	150.4	1,179.9							
1051006	2013-06-19 9:00			SILVERY	CRUDE OIL	E	2	7.6	200	212	2.98	45		15	0.013	0.200																	
1051081	2013-06-20 9:00			OTHER	SHEEN COLOR: 30% SILVERY, 35% SLIGHTLY COLORED, 35% BRIGHTLY COLORED			11.5	30	48	1.58	30		19	0.031	0.585																	



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1051150	2013-06-20 13:50	10	WSW		SATELLITE IMAGERY SHOWS A SLICK EXTENDING APPROXIMATELY 40 KM NE FROM THE DESTROYED PLATFORM AT MISSISSIPPI CANYON 20. THE SLICK WAS 2.5KM WIDE AT THE WIDEST POINT. CONFIDENCE IS HIGH GIVEN THE SLICK IS ORIGINATING FROM A REPEAT LEAK SOURCE. THIS ALLOWS THE HIGH CONFIDENCE EVEN THOUGH THE ANALYZED SLICK IS NOT IN SUNGLINT AND THUS DARK IN COLOR. PREVIOUS ANALYSIS ON JUNE 18, 2013 SHOWED SLICK TO THE EAST OF DESTROYED TAYLOR PLATFORM AND WITH WEAK WINDS AND OCEAN CURRENTS FROM THE SOUTHEAST TODAY, IT APPEARS TO HAVE PUSHED THE SLICK MORE NORTHWARD. THIS INCIDENT REPORT WAS GENERATED FROM AN NRC WATCHSTANDER FROM AN NOAA NESDIS MARINE POLLUTION SURVEILLANCE REPORT.	NE		21.6	1.3		0		0.1 micron minimum => 2,642 gal, not 1.58 gal.									24,713	2,642	0.100	87.8	1,672.0				
1051232	2013-06-21 8:30			OTHER			2	8.5	50		59	1.06	63		60	0.017	1.000													
1051341	2013-06-22 9:45	7	SE	SILVERY	CRUDE OIL	ENE	3	8.4	300	352	7.37	75			10	0.020	0.200													
1051410	2013-06-23 10:05	6	SSE	SILVERY		NE	2	7.3	200	204	7.9	44			6	0.036	0.200													
1051505	2013-06-24 9:45	9	SSE	SILVERY		NE	2	9.9	300	414	4.94	89			18	0.011	0.200													
1051542	2013-06-24 14:45				***NESDIS REPORT*** A RATHER LONG SLICK OF POSSIBLE OIL CAN BE SEEN EMANATING FROM THE DESTROYED TAYLOR PLATFORM THIS AFTERNOON. THE SLICK EXTENDS ABOUT 12.5 MILES TO THE NORTH-NORTHEAST IN MOSTLY CLEAR CONDITIONS. SURFACE WINDS AND OCEAN CURRENTS ARE BOTH IN AGREEMENT WITH FLOW FROM THE SOUTH-SOUTHWEST IN THAT REGION.	NNE		12.5	300		0		Use 300 ft width as for other NRC report this day. 0.1 micron minimum => 56 gal, not 4.94 gal.										523	56	0.100	0.6	11.3			
1051636	2013-06-25 9:00	4		BARELY DISCERNIBLE	15% BRIGHT, 10% SILVERY, 5% SLIGHT		1	11.5	200	321	7.55	91	70% Barely Discernible	12	0.022	0.265														
1051757	2013-06-26 9:00	4	SSW	BARELY DISCERNIBLE			0	13.7	80	153	3.12	16		5	0.019	0.100														
1051902	2013-06-27 9:05			BARELY DISCERNIBLE		ENE	2	15.3	50	107	1.24	11		9	0.011	0.100														
1051980	2013-06-27 14:00		W		NOAA REPORT: A SHEEN IS BEING EXTENDING SOUTHEAST FROM THE DESTROYED TAYLOR PLATFORM TODAY. THE AREA OF POSSIBLE OIL WAS 4.9 MILES IN LENGTH. WINDS WERE VERY LIGHT FROM THE WEST WHICH GENERALLY LINES UP WITH DIRECTION OF THE SLICK. SOME CLOUDS WERE SEEN TO THE NORTH AND SOUTH OF THE AREA BUT SKIES WERE GENERALLY CLEAR OVER THE SLICK.  UNCERTAINTIES: LITTLE UNCERTAINTY GIVEN POINT SOURCE IS A KNOWN LEAK SITE. SLICK LINED UP WELL WITH LIGHT SURFACE WINDS OUT OF THE WEST AND OCEAN CURRENT DATA APPEARED TO SHOW A WEAK CONVERGENCE ZONE NEAR THE AREA OF ANALYZED OIL.			4.9	50		0		0.1 micron minimum. Width fro other report this day => At least 4 gal, not 1.24 gal.											34	4	0.100	0.3	2.9		
1052052	2013-06-28 8:30	14	NNW	BARELY DISCERNIBLE		ENE	2	9.93	70	97	0.9	10		12	0.009	0.100														
1052297	2013-06-29 10:30				SHEEN COLOR: 70% BARELY VISIBLE, 9% SLIGHTLY COLORED AND 10% RAINBOW.			8.43	50	59	0.812	14	13% silvery (0.2)	17	0.013	0.225														
1052396	2013-06-30 9:30			BARELY DISCERNIBLE				6.3	50	44	0.85	5		6	0.018	0.100														
1052341	2013-07-01 8:30	5	NE	BARELY DISCERNIBLE	15% SLIGHT, 10% SILVERY, 5% BRIGHT	NW	2	9	80	67	0.86	15	70% barely discernible	18	0.012	0.215														
1052416	2013-07-01 15:00		N		***NESDIS REPORT*** A POSSIBLE OIL SLICK IS VISIBLE FROM A KNOWN REPEATED LEAK SOURCE OFF OF BIRD'S FOOT DELTA IN GULF OF MEXICO. POSSIBLE OIL SLICK EXTENDS 11.5 MILES NORTH FROM POINT SOURCE. FALSE POSITIVE LOCATED NORTH AND WEST OF SUSPECTED OIL IS THOUGHT TO BE DUE TO A CONVERGENCE ZONE. SKIES ARE MOSTLY CLEAR WITH LIGHT WINDS FROM THE NORTH.			11.5	80		0		Use 80 ft width from other NRC report, 0.1 micron => 14 gal, not 0.86 gal per other NRC report.											128	14	0.100	0.9	16.0		
Not Published	20130702	10	SW		Winding line of rainbow sheen, faded into light gray for last mile. 80% Rainbow, 20% light gray.		2	6	50				80% R, 20% BD					42	37	0.820	1	28.4								
1052517	2013-07-02 10:45			RAINBOW		ENE	0	4.8	50	33	1.29	36	R	28	0.036	1.000														
1052683	2013-07-03 10:10	5	NE	SILVERY	50% SILVERY, 15% BARELY VISIBLE		2	6.2	300	259	11.2	55		5	0.040	0.200														
1052740	2013-07-04 10:10			RAINBOW	SHEEN WAS 30% BARELY VISIBLE, 35% SILVERY AND 35% BRIGHTLY COLORED.	SSW	3	6	300	251	9.76	268		27	0.036	1.000														



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1052763	2013-07-04 18:05	10	NE		***NESDIS MARINE POLLUTION SURVEILLANCE REPORT*** A NARROW SLICK WAS SEEN EXTENDING SOUTHWEST FROM THE DESTROYED TAYLOR PLATFORM. CLOUD COVER PROHIBITED DETECTION OF A PORTION OF THE SLICK. UNCERTAINTIES: CONFIDENCE IS MEDIUM-HIGH GIVEN THAT THE SLICK EMANATED FROM A KNOWN REPEAT LEAK SOURCE. THE ORIENTATION OF THE SLICK RELATIVE TO THE SOURCE IS CONSISTENT WITH BOTH OBSERVED SURFACE WINDS AS WELL AS MODEL FORECAST OCEAN CURRENTS; AND THE ANOMALY APPEARS BLACK IN COLOR WITH DEFINABLE CONTRAST TO THE SURROUNDINGS.  EVEN THOUGH A PORTION OF THE SLICK IS OCCURRED BY CLOUD COVER THE OBSERVED SURFACE WINDS AND MODEL FORECAST OCEAN CURRENTS AT THE SOUTHWESTERN PORTION OF THE SLICK TO BE ANALYZED EVEN THOUGH NOT ATTACHED TO THE SOURCE. A MODIS AQUA IMAGE TAKEN 2.5 HOURS LATER AT 1905Z WAS UNHAMPERED BY CLOUD COVER AND SHOWED THE OIL SLICK EXTENDING CONTINUOUSLY FROM THE SOURCE BUT IN A MORE WESTERLY THAN SOUTHWESTERLY DIRECTION.	WSW		6	300		0			Use same lengths as in Taylor NRC report today, note black color in center portion. "Define contrast" suggests >0.1 micron, but prefer to use 0.1 micron as a conservative lower limit. Don't know how to treat the "dark black" description as far as sheen thickness. => 27 gal, not 10 gal.									251	27	0.100	0.1	2.7			
1052829	2013-07-05 12:15	15	NE	SILVERY			2	1.8	20	5	0.02	1		54	0.004	0.200														
1052927	2013-07-06 12:30			SILVERY				1.6	500	112	3.25	25		7	0.027	0.200														
1052984	2013-07-07 11:00	8	SE	OTHER	SHEEN COLOR: 30% BARELY VISIBLE, 50% SILVERY, 20% SLIGHT COLORED		2	1.8	600	151	1.62	37		23	0.010	0.230														
1053084	2013-07-08 10:55				SHEEN COLOR: 40% SILVERY 30% BARELY DISCERNIBLE AND 30% BRIGHTLY COLORED.		2	8.4	300	352	12.57	154		12	0.033	0.419														
1053207	2013-07-09 10:15			SILVERY				16	75	167	4.79	36		7	0.027	0.200														
1053325	2013-07-10 10:00	5	S	BARELY DISCERNIBLE	CRUDE OIL		0	4.2	25	15	0.37	2		4	0.024	0.100														
1053463	2013-07-11 8:15	15	WSW	BARELY DISCERNIBLE		S	3	13	50	91	1.42	10		7	0.015	0.100														
1053585	2013-07-12 9:00			SILVERY		NNE	3	9	30	38	0.97	8		8	0.024	0.200														
1053720	2013-07-13 10:00			RAINBOW				5	100	70	1.94	75		38	0.026	1.000														
1053787	2013-07-14 10:00	10	E	BARELY DISCERNIBLE		ENE	2	1.3	1.5	1,653	70.46	177		3	0.040	0.100														
1053819	2013-07-14 15:20	6	SSE	BARELY DISCERNIBLE		SSW	2	2	200	56	2.65	6		2	0.044	0.100														
1053820	2013-07-14 15:30	6		BARELY DISCERNIBLE		SSE	2	3.25	2	5,509	611.75	589		1	0.104	0.100														
1053887	2013-07-15 10:00	10	SE	SILVERY				8	9	6,102	103.65	1,305	Silvery 0.2	13	0.016	0.200														
1053928	2013-07-15 14:00	15	WSW	SILVERY		SW	3	2.61	350	127	4.58	27		6	0.034	0.200														
1054017	2013-07-16 10:00			SILVERY		WSW	2	5.5	25	19	0.1	1		41	0.005	0.200														
1054128	2013-07-17 9:50				SHEEN DESCRIPTION: 60% BARELY VISIBLE, 20% SILVERY, 10% SLIGHTLY COLORED, 10% BRIGHTLY COLORED.		3	8	20	22	0.69	6		66	0.004	0.250														
1054286	2013-07-18 11:3	12	E		SHEEN WAS 30% BARELY VISIBLE, 50% SILVERY, 10% SLIGHTLY COLOR AND 1% BRIGHTLY COLORED.		3	27	200	753	2.39	217		91	0.003	0.269														
1054360	2013-07-18 15:15				***NESDIS MARINE POLLUTION SURVEILLANCE REPORT*** AREA OF POSSIBLE OIL SEEN SOUTHWEST OF THE DESTROYED TAYLOR PLATFORM OFF THE BRIGS FOOT DELTA. THE SLICK EXTENDS TO THE SOUTHWEST, IS AROUND 9 MILES LONG AND ABOUT 0.9 MILES AT THE WIDEST POINT. CURRENTS MATCH UP WELL WITH THE DIRECTION IN WHICH THE OIL EXTENDS TOWARD THE SOUTHWEST.					9	0.9	0	Use 0.1 micron, minimum. => 734 gal, not 2.39 gal.				6,865	734	0.100	3.4	307.1									
Not Published	20130719	5	NW		Long winding lines of rainbow fading to silvery, ~100 meters wide and going at least 15 nm, plus wider area of light gray. Use 15 nm x 1000 ft with 25% rainbow, 25% silvery, 70% light gray or barely visible.		1	15	1000			25%R, 5% S, 70% BD				2,092	738	0.330	4	50.1										
1054425	2013-07-19 8:45				SHEEN COLOR: 25% BARELY VISIBLE, 50% SILVERY, 15% SLIGHT COLORED, 10% BRIGHTLY COLORED		2	19.5	200	544	14.74	174	10% F, 15% FC, 50% S, 25% BD	12	0.025	0.300														
1054599	2013-07-20 10:00	6			SHEEN COLOR: 50% SILVERY 20% BARELY VISIBLE, 10% BRIGHTLY COLORED AND 20% SLIGHTLY COLORED.			10.2	200	285	8.15	97		12	0.027	0.320														
1054900	2013-07-21 11:15	10	SSW		SHEEN COLOR: 30% BARELY VISIBLE, 50% SILVERY, 15% SLIGHTLY COLORED AND 5% BRIGHTLY COLORED.		2	2.2	200	61	0.48	17		35	0.007	0.255														
1054684	2013-07-22 10:00	12	NNE	SILVERY		ENE	3	7.9	500	551	13	118	0.2	9	0.022	0.200														
1054792	2013-07-23 9:30	18	WSW	SILVERY		E	3	5.2	25	18	0.07	4		55	0.004	0.200														
1054918	2013-07-24 8:15	14	WNW		SHEEN COLOR: 80% BARELY DISCERNIBLE, 10% SILVERY, 5% BRIGHTLY COLORED AND 5% SLIGHTLY COLORED.		3	5.2	80	58	0.064	11		170	0.001	0.175														
1055101	2013-07-25 13:30			SILVERY	CRUDE OIL	E	2	3.2	70	31	0.83	7		8	0.025	0.200														
1055177	2013-07-26 9:45			BARELY DISCERNIBLE	CRUDE OIL	ENE	2	12	50	84	1.2	9		7	0.013	0.100														
1055274	2013-07-27 10:30			SILVERY		E	0	14.2	50	99	2.18	21		10	0.021	0.200														
1055329	2013-07-28 9:30	19	W	BARELY DISCERNIBLE		E	2	10	50	70	0.28	7		27	0.004	0.100														
1055400	2013-07-29 8:40	5	N	SILVERY				15.62	80	174	2.88	37		13	0.016	0.200														
1055562	2013-07-30 11:55	6	S	OTHER				3.4	100	47	0.27	10	0.2 (Silvery)	38	0.005	0.200														



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SEQNOS	INCIDENT DATE TIME	WIND SPEED	WIND DIRECTION	SHEEN COLOR	SHEEN-ODOR DESCRIPTION & SHEEN ADJUTANTIAL INFO	DIRECTION OF SHEEN TRAVEL	WAVE CONDITION	SHEEN SIZE: LENGTH (NM or FT)	SHEEN SIZE: WIDTH (NM or FT)	Reported Sheen Area (acres)	Reported Amt of Material ("RAM")	BAOAC-Estimated Amt of Material (Gal) ("BRAM")	Assumptions (BAOAC thicknesses for NRC data, etc.)	Ratio of Corrected / Reported Amt of Mtrl "BRAM / RAM"	Reported Equiv Avg Thickness (micron) "RET"	BAOAC-Corrected Equiv Avg Thickness (micron) "BRET"	OWOC Sheen Area (acres)	WOC Observed Amt of Material (Gal) "WAM"	OWOC / BAOAC-corrected Amt of Mtrl "WAM / BRAM"	OWOC / Reported Amt of Mtrl "WAM / RAM"	NOAA Sheen Area (acres)	NOAA Observed Amt of Material (Gal) "NAM"	NOAA Equip Avg Thickness (micron) "NET"	NOAA / BAOAC-corrected Amt of Mtrl "NAM / BRAM"	NOAA / Reported Amt of Mtrl "NAM / RAM"	OTHER Sheen Area (acres)	OTHER Observed Amt of Material (GAL) "OAM"	OTHER Equip Thickness (micron) "OET"	
Not Published	20130731		5 SW		Long narrow line of rainbow fading to silvery. 10-15 meters wide (say 30 ft average), followed it 10 nm but looks to go 12 nm. Call it 70% rainbow, 30% silvery		2	12	30				70% R, 30% S				50	41	0.760	1	90.7								
1056554	2013-07-31 9:45			RAINBOW				2	12.5	25	44	0.45	47 R		104	0.010	1.000												
1055783	2013-08-01 10:00			SILVERY	CRUDE OIL			1	17.2	400	960	27.95	205		7	0.027	0.200												
1055907	2013-08-02 10:00	6		BARELY DISCERNIBLE		NE		2	15.3	400	854	24.88	91		4	0.027	0.100												
1056000	2013-08-03 10:00	6 S		SILVERY		E		1	23.6	300	988	16.82	211		13	0.016	0.200												
OWOC Web Article	20130804	10 W			Flight tracks and Flight log show slick oriented E-NE from previous site of buoy northeastward. Heaviest line was 7 nm long, 75 ft wide. Extended further with light gray another 3 nm, maybe out to 200 ft wide. GPS waypoints are given in Flight log in OWOC web article. Estimate equivalent area: 10 nm, 150 ft, 25% rainbow, 50% silvery, 25% light gray (0, 1). 28.933-88.971 2013-08-04T17:59:37Z W end of Taylor slick (heavy rainbow sheen). 28.963-88.851 2013-08-04T18:04:07Z E end of Taylor slick (heavy rainbow sheen). ~7 nm long, about 20 m wide. 28.929-88.959 2013-08-04T18:08:54Z Orange buoy			1	10	150				25% R, 50% S, 25% BD				209	84	0.375	3	60.8							
1056086	2013-08-04 9:50	6 WNW		SILVERY	SHEEN COLOR: 50% SILVERY, 45% BARELY VISIBLE AND 5% SLIGHTLY COLORED.	NE		2	11.7	100	163	1.38	30	5% FC, 50% S, 45% BD	21	0.008	0.470												
1056079	2013-08-04 11:50	10 NW			***NESDIS REPORT*** A NARROW SLICK WAS SEEN EXTENDING EAST FROM THE DESTROYED TAYLOR PLATFORM FOR APPROXIMATELY 2 MILES. CLOUD COVER PROHIBITED DETECTION ON THE EAST SIDE PORTION OF THE ANOMALY SUGGESTING THE SLICK COULD EXTEND BEYOND 2 MILES. OCEAN CURRENTS SUGGESTED A WEST TO EAST FLOW, FOLLOWING PATTERN SEEN IN THE IMAGE. SURFACE WINDS WERE ALSO WEAK FROM THE NORTHWEST AT 5-10 KNOTS					10.9	150	0	0.1 micron at least. Use 150 ft per OWOC and agrees w average of Taylor & OWOC report same day.								228	24	0.100	0.8	17.7				
1056203	2013-08-05 11:28	10 NW			***NESDIS REPORT*** A SLICK WAS SEEN EXTENDING EAST FROM THE DESTROYED TAYLOR PLATFORM FOR APPROXIMATELY 18 MILES LONG AND AS WIDE AS 1.3 MILES LONG (ITS WIDEST COMPONENT). THE ANOMALY APPEARS WHITE ALONG THE THICKER AREAS OF THE SHEEN SUNGLINT AND DARKER ALONG THE THINNER REGIONS OF THE SHEEN. OCEAN CURRENTS CONTINUED TO SUGGEST A WEST TO EAST FLOW SIMILAR TO YESTERDAY'S REPORT WITH OBSERVED SURFACE WINDS OUT OF THE NORTHWEST AT 5-10 KNOTS.					18	1.3	0	0.1 (Barely Discernible)								19,832	2,120	0.100	1,263.8	23,555.8				
1056253	2013-08-06 10:00	10 WNW		BARELY DISCERNIBLE		ENE		2	4.5	25	16	0.09	2	Use this day to compare w NOAA because same-day Taylor report gives 0% Assum.	19	0.005	0.100												
1056154	2013-08-05 10:00	8 W			CALLER STATES THAT AN ONGOING SHEEN REPORTED FROM A PLATFORM THAT WAS DAMAGED DUE TO HURRICANE IVAN.						0	0	0																
1056350	2013-08-07 8:30			OTHER	SHEEN COLOR: 40% BARELY VISIBLE, 40% SILVERY, 10% SLIGHTLY COLORED, 10% BRIGHTLY COLORED.			9.5	90	119	1.96	34	18	0.015	0.270														
1056480	2013-08-08 8:15			BARELY DISCERNIBLE		NNE		1	16	70	156	1.61	17	10	0.010	0.100													
1056879	2013-08-10 9:00	7 SE		BARELY DISCERNIBLE				3	3.7	85	41	0.17	4	26	0.004	0.100													
1056764	2013-08-11 10:15	15 ESE		BARELY DISCERNIBLE				3	5.85	30	24	2.16	3	1	0.083	0.100													
1056827	2013-08-09 8:15	3		BARELY DISCERNIBLE		NE		8	7.5	3,320	11.32	362	32	0.003	0.100														
1056856	2013-08-12 10:00			SILVERY		NE		11	75	115	1.09	25	23	0.009	0.200														
1056910	2013-08-12 19:10	SW			***NESDIS REPORT*** AN AREA OF POSSIBLE OIL WAS VISIBLE EXTENDING NORTHWEST FROM THE DESTROYED TAYLOR PLATFORM. THE SUSPECTED SLICK APPEARED TO BE BROKEN INTO TWO PARTS WITH THE AREA OF OIL CLOSEST TO THE PLATFORM EXTENDED ABOUT 6 & KM. WHILE THE SECONDARY PORTION OF OIL EXTENDED AN ADDITIONAL 18 KM. SOUTHWEST SURFACE WINDS AT THE TIME OF THE IMAGE CORRESPOND WELL WITH THE SLICKS EXTENSION TO THE NORTHEAST					12.2	75	0	Strange—the NRC report lists it as 250 meters (750 ft) long, and 0.1 micron. Use width 75 ft from other NRC report this day. Assume 0.1 micron → 14 gal, not 1.09 gal.								128	14	0.100	0.6	12.5				
1056983	2013-08-13 8:15	8 ENE				ENE		2	17	150	356	4.27	380	89	0.011	1.000													
1057068	2013-08-14 9:40			BARELY DISCERNIBLE	CRUDE OIL			4	7	100	98	2.33	10	4	0.022	0.100													
1057206	2013-08-15 9:45			BARELY DISCERNIBLE	CRUDE OIL	SSW		1	13	300	544	9.56	58	6	0.016	0.100													
1057322	2013-08-16 12:00			SILVERY	CRUDE OIL	ENE		1	1.9	500	133	1.69	28	17	0.012	0.200													
1057401	2013-08-17 10:30	14 NE		OTHER	SHEEN COLOR: 40% SILVERY, 30% BARELY VISIBLE, 15% SLIGHTLY COLORED AND 15% RAINBOW			3	4.7	200	131	2.59	47	18	0.018	0.335													
1057492	2013-08-18 12:55	20 SSW		SILVERY				4	26.40	100	6	0.01	1	130	0.002	0.200													
1057580	2013-08-19 8:45	8 WSW		SILVERY		NNW		3	6.1	200	170	2.97	36	12	0.016	0.200													
1057683	2013-08-20 10:30			SILVERY	SHEEN DESCRIPTION: 85% BARELY DISCERNIBLE, 10% RAINBOW, 5% SILVERY.	NW		7	70	68	0	14				0.195													



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OWOC Web Article	20130821	10	ESE		Very light gray, with only a thin line of darker with rainbow running through the northern line. Estimate 3.5 nm by 0.5 nm wide with 30% coverage, 5% rainbow, 95% very light gray (0.1).		3	3.5	0.2				5% R, 95% BD; 30% coverage				593	28	0.044	8	212.2											
1057781	2013-08-21 9:15			BARELY DISCERNIBLE	CRUDE OIL		2	4.9	50	34	0.13	4	BD		28	0.004	0.100															
1057854	2013-08-21 11:28				***NEEDS MARINE POLLUTION SURVEILLANCE REPORT*** SUSPECTED OIL SHEEN ORIGINATED FROM DESTROYED TAYLOR PLATFORM. THIS SIGNATURE PATTERN MATCHES WELL WITH SOUTHEASTERLY WINDS NEAR THE TIME OF THE WAVE. SHEEN IS ESTIMATED FROM SATELLITE TO BE 13.6 MILES LONG AND 1.5 MILES AT ITS WIDEST. SHEEN HAS GOOD DARK CONTRAST WITH ITS SURROUNDINGS EVEN WITHOUT SUNLIGHT PRESENT.			13.6	1.5		0		Barely Disc 0.1 (Compare NRC Amt = 0.13 gal)									17,289	1,648	0.100	505.9	14,217.1						
1057895	2013-08-22 10:00	13	ESE	BARELY DISCERNIBLE			3	6.7	150	140	0.53	15			28	0.004	0.100															
1058010	2013-08-23 9:30			SHEEN COLOR: 75% BRIGHTLY COLORED, 5% BARELY VISIBLE, 10% SILVERY, 10% SLIGHT COLOR				2.5	50	17	0.19	15			81	0.010	0.825															
1058163	2013-08-24 11:00			BARELY DISCERNIBLE		W	2	2.58	1500	540	5.15	58			11	0.009	0.100															
1058159	2013-08-25 9:40	10	E	SILVERY			3	6.0	20	1,674	0.1	358				0.200																
1058241	2013-08-26 10:00	20	E	SHEEN COLOR: 40% SILVERY, 30% SLIGHTLY COLORED AND 30% BRIGHTLY COLORED.			4	6.5	25	23	0.17	13			76	0.007	0.530															
1058364	2013-08-27 11:00			BARELY DISCERNIBLE		SW		14.1	300	590	8.44	63			7	0.013	0.100															
1058391	2013-08-27 11:50				***NEEDS*** SUSPECTED OIL SHEEN ORIGINATING FROM KNOWN REPEAT SOURCE POINT. SUSPECTED OIL SHOWS LARGE CONTRAST TO SURROUNDINGS AND IS CONSISTENT WITH SURFACE WIND AND SURFACE OCEAN CURRENT DIRECTION. THE FEATURE EXTENDS 9.5 MILES SOUTHWEST OF SUSPECTED POINT SOURCE AND IS 0.5 MILES WIDE.			9.5	0.5		0		0.1 minimum										4,026	430	0.100	6.8	51.0					
1058492	2013-08-28 10:00	4		SILVERY			0	17.7	300	741	25.17	158			6	0.032	0.200															
1058528	2013-08-28 14:05				***NEEDS*** POSSIBLE OIL SHEEN ORIGINATING FROM TAYLOR PLATFORM. OIL EXTENDS AS FAR AS 27 MILES SOUTHEAST OF PLATFORM VISIBLE IN 4 SEGMENTS BETWEEN CLOUD FEATURES. THE SEGMENT CLOSEST TO THE POINT SOURCE IS APPROXIMATELY 2.4 MILES LONG AND 0.5 MILES WIDE. FOLLOWING THIS, ANOTHER SEGMENT IS SEEN THAT IS 3 MILES LONG AND 1 MILE WIDE. FOLLOWING THIS, THE LONGEST SEGMENT SEEN IS 14.5 MILES LONG AND 1.8 MILES WIDE AT THE LARGEST WIDTH. THE FINAL SEGMENT IS ORIENTED NORTH-EAST TO SOUTHEAST AND IS 4.8 MILES LONG AND 0.7 MILES WIDE. DIRECTION OF SLICK IS CONSISTENT WITH OCEAN CURRENT DATA AS WELL AS IMAGERY OF SHEEN SEEN IN YESTERDAY'S IMAGERY.				See total area summed in Assump- tions column				0		Effective total area taken by summing node area and using equivalent angle length and width, of micron overall averages minimum thickness for MODIS imagery.										28,612	3,059	0.100	19.3	121.5			
1058616	2013-08-29 10:00	3	E	SILVERY	CRUDE OIL	SW	1	22	200	614	16.66	131			8	0.025	0.200															
1058708	2013-08-30 10:20			SILVERY	CRUDE OIL		1	6.2	300	259	7.07	55			8	0.025	0.200															
1058830	2013-08-31 10:25	4	NW	SILVERY			2	6	400	335	9.78	72			7	0.027	0.200															
1058899	2013-09-01 10:45				SHEEN COLOR: 24% BARELY VISIBLE, 50% SILVERY, 15% SLIGHTLY COLORED, 10% BRIGHTLY COLORED AND 1% DULL.	ESE	0	6.14	200	171	5.93	60			10	0.032	0.329															
1058954	2013-09-02 10:35	3			SHEEN COLOR: 55% SILVERY, 20% BARELY VISIBLE, 20% SLIGHTLY COLORED AND 5% BRIGHTLY COLORED.		2	9.9	300	414	8.82	124			14	0.020	0.280															
1059015	2013-09-03 9:00			BARELY DISCERNIBLE			0	9.25	60	77	1.11	6			7	0.013	0.100															
1059182	2013-09-04 10:00				SHEEN COLOR DESCRIPTION: 70% BRIGHTLY COLORED, 5% BARELY VISIBLE, 8% SILVERY, 10% SLIGHTLY COLORED & 10% DULL.			15	50	105	3.63	276			76	0.032	2.465															
1059277	2013-09-05 9:22	6	ENE	OTHER	SHEEN WAS SLIGHTLY COLORED		2	10	75	105	1.87	56			30	0.017	0.500															
1059309	2013-09-05 13:31				***NOAA MARINE POLLUTION SURVEILLANCE REPORT*** POSSIBLE OIL SHEEN EXTENDING 6.7 KM NORTH OF DESTROYED TAYLOR PLATFORM. SLICK IS 0.6 KM ACROSS AT LARGEST WIDTH. SLICK WERE NOT CONSISTENT WITH EASTERLY WINDS, BUT SHOWS DISTINCT COLOR AMONG CLOUD FIELD AND CONFIDENCE IS INCREASED GIVEN THIS IS A REPEAT POINT SOURCE.				3.6	0.3		0		0.1 micron min => 106 gal min, not 1.87 gal! To be 1.87 gal would require EAT=0.0018 micron.									993	106	0.100	1.9	56.8					
1059404	2013-09-06 9:42			SILVERY			2	2.5	75	26	0.5	6			11	0.018	0.200															
1059473	2013-09-06 18:16				***NEEDS REPORT*** POSSIBLE OIL IS SEEN EXTENDING WESTWARD FROM THE DESTROYED TAYLOR PLATFORM. THE SLICK EXTENDED 4.3 MILES TO THE WEST OF THE SITE AND WAS UP TO 0.5 MILE IN WIDTH. SHEEN WERE CLEAR OVER THE SLICK WITH WINDS AND OCEAN CURRENTS, BOTH FROM THE EAST AND EAST-NORTHEAST.			4.3	5		0		0.1 (Barely Discernible)										1,822	195	0.100	34.8	389.6					
1059634	2013-09-07 9:30	8	ESE	BARELY DISCERNIBLE	THIS IS A PLATFORM INCIDENT, THE REPORT HAS BEEN CORRECTED. NEW REPORT IS 1059637.		0	3.9	70	38	0	4				0.100																
1059635	2013-09-08 9:00	10	SE	BARELY DISCERNIBLE	THIS IS A PLATFORM INCIDENT, THE REPORT HAS BEEN CORRECTED. NEW REPORT IS 1059635.		2	6.76	1.5	8,594	0		Correction-Ignore			0.000	0.000															
1059637	2013-09-07 9:30	8	ESE	BARELY DISCERNIBLE	***CORRECTION TO NRC REPORT 1059634***			3.9	70	38	0		Correction-Ignore			0.000	0.000															
1059638	2013-09-08 9:00	10	SE	BARELY DISCERNIBLE	***CORRECTION TO NRC REPORT 1059635***		2	6.76	1.5	8,594	0	919				0.100																

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1059664	2013-09-09 10:05	7	ESE	BARELY DISCERNIBLE		W	2	6.9	80	77	0.66	8		12	0.008	0.100																						
1059769	2013-09-10 10:00	16	E	SILVERY		W	3	1.8	400	100	1.63	21		13	0.015	0.200																						
1059869	2013-09-11 9:44	15	SE	SILVERY	SHEEN COLOR: 45% BARELY VISIBLE, 20% SILVERY, 30% SLIGHTLY COLORED, 3% BRIGHTLY COLORED AND 2% DULL.				3	1.5	5	636	2.66	221	83	0.004	0.325																					
1059919	2013-09-11 14:20				****MARINE POLLUTION SURVEILLANCE REPORT**** POSSIBLE OIL SHEEN ORIGINATING FROM DESTROYED TAYLOR PLATFORM. POSSIBLE OIL EXTENDS 2.8 MILES FROM THE POINT SOURCE AND IS APPROXIMATELY 1.0 MILES ACROSS AT LARGEST WIDTH.						0		Minimum 0.1 micron										2,373	254	0.100	1.1	95.4											
1059968	2013-09-12 9:45				SILVERY CRUDE OIL	W	4	3.3	300	138	1.75	30		17	0.012	0.200																						
1060098	2013-09-13 9:15	8	NNE	SILVERY		W	2	18.2	400	1,015	29.58	217		7	0.027	0.200																						
1060189	2013-09-14 10:44	5	E	SILVERY					0	4.2	500	293	5.17	63	12	0.017	0.200																					
1060202	2013-09-14 15:22				****ANALYSIS PROVIDED BY NOAA/NESDIS**** ****MARINE POLLUTION SURVEILLANCE REPORT**** SUSPECTED OIL ORIGINATES FROM A KNOWN REPEAT LEAK SOURCE LOCATED OFF OF BIRD'S FOOT, LOUISIANA. THE SHEEN IS BROKEN UP INTO TWO SEGMENTS: ONE EXTENDING SOUTH OF THE SITE AND ONE EXTENDING WEST.				10.03		500	0											700	75	0.100	1.2	14.5											
1060239	2013-09-15 10:00	4	ENE	SILVERY		WNW	2	9.5	500	663	14.49	142		10	0.020	0.200																						
1060317	2013-09-16 9:20	16	E	SILVERY		W	4	1.4	1000	195	1.07	42		39	0.005	0.200																						
1060417	2013-09-17 9:00	9	ESE	SILVERY	SHEEN COLOR: 70% BARELY VISIBLE, 20% SILVERY AND 10% SLIGHTLY COLORED.				2	8.2	50	57	0.59	10	17	0.010	0.160																					
1060543	2013-09-18 9:30	25	SE	SILVERY					4	2	100	28	0.1	6	60	0.003	0.200																					
1060652	2013-09-19 9:20	11	ESE	BARELY DISCERNIBLE					2	2.95	80	33	0.24	4	15	0.007	0.100																					
1060763	2013-09-20 8:45	9	ESE	BARELY DISCERNIBLE					2	5.95	150	124	0.67	13	20	0.005	0.100																					
1060846	2013-09-21 11:15	12	SSW	BARELY DISCERNIBLE		E	2	1.25	60	10	0.19	1		6	0.017	0.100																						
1060900	2013-09-22 9:00				SHEEN COLOR: 40% BARELY VISIBLE, 40% SILVERY, 10% SLIGHTLY COLORED AND 10% BRIGHTLY COLORED.	SSE	2	3	80	33	0.54	10		16	0.015	0.270																						
1061012	2013-09-23 10:15				SILVERY				0	7.5	100	105	1.14	22	20	0.010	0.200																					
1061112	2013-09-24 10:30				RAINBOW 50% SLIGHTLY & 50% BRIGHTLY COLORED	N	2	1.5	100	21	0.43	17		39	0.019	0.750																						
1061237	2013-09-25 10:45	8	N	BARELY DISCERNIBLE					4.5	300	188	2.64	20	8	0.013	0.100																						
1061333	2013-09-26 10:20	7	NE	SILVERY					1	9	1	7,628	142.27	1,631	11	0.017	0.200																					
1061362	2013-09-26 13:45	7	NE	BARELY DISCERNIBLE					0	13	100	181	6.7	19	3	0.035	0.100																					
1061434	2013-09-27 9:35	5	N	SILVERY		S	2	4.8	600	402	5.64	86		16	0.013	0.200																						
1061519	2013-09-28 9:00				BARELY DISCERNIBLE CRUDE OIL	SW	2	2.8	500	195	1.2	21		17	0.006	0.100																						
1061582	2013-09-29 9:20	8	ESE	SILVERY	SHEEN COLOR: 50% BARELY VISIBLE, 40% SILVERY AND 10% BRIGHTLY COLORED.				2	7	500	488	3.48	120	34	0.007	0.230																					
1061674	2013-09-30 11:15	10	SE	SILVERY					3	2.5	600	206	5.44	45	8	0.024	0.200																					
1061782	2013-10-01 10:05				SILVERY	SSW	2	2	200	56	0.29	12		41	0.005	0.200																						
1061880	2013-10-02 9:00	5		SILVERY		SSW	2	5488	150	19	0.42	4		10	0.021	0.200																						
1061985	2013-10-03 9:05				SILVERY		3	1.1	300	48	0.63	10		16	0.013	0.200																						
1062097	2013-10-04 8:30	18	SSE	BARELY DISCERNIBLE	SHEEN WAS 50% SILVERY.				1.38	50	10	0.17	2	50% barely discernible	9	0.017	0.150																					
1062212	2013-10-06 11:00	16	SE	BARELY DISCERNIBLE					3	9	70	9	0.04	1	23	0.004	0.100																					
1062311	2013-10-07 11:50	15	NNE	BARELY DISCERNIBLE	SUSPECTED OIL SLICK IS SEEN EXTENDING SOUTHWEST OF THE DESTROYED TAYLOR PLATFORM FOR APPROXIMATELY 3.5 MILES. THIS REPORT WAS GENERATED FROM A REPORT FROM THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION/NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE (NOAA/NESSDIS).				3.5		27	0											8,009	856	0.100	125.1	4,756.5											
1062318	2013-10-07 13:24	18	NNE	BARELY DISCERNIBLE					3	2.7	170	64	0.18	7	38	0.003	0.100																					
1062415	2013-10-08 10:15	8	ENE	BARELY DISCERNIBLE					3	2.3	100	32	0.18	3	19	0.005	0.100																					
1062522	2013-10-09 10:43				BARELY DISCERNIBLE CRUDE OIL	SSE	2	2.2	600	184	1.19	19		20	17	0.006	0.100																					
1062605	2013-10-10 9:40				SILVERY CRUDE OIL				2	15	50	105	0.76	22	29	0.007	0.200																					
1062708	2013-10-11 9:10				BARELY DISCERNIBLE CRUDE OIL	SSW	2	6	75	63	2.09	7		3	0.031	0.100																						
1062801	2013-10-12 8:15				BARELY DISCERNIBLE				0	4.8	400	268	12.31	29	2	0.043	0.100																					
1062879	2013-10-13 8:30				BARELY DISCERNIBLE				5	800	558	17.44	60	3	0.029	0.100																						
1062946	2013-10-14 8:40				SILVERY				8	200	223	1.33	48	36	0.006	0.200																						
1063052	2013-10-15 9:15				SILVERY	WSW	2	10	75	105	0.89	22		25	0.008	0.200																						
1063156	2013-10-16 9:15	3	ENE	BARELY DISCERNIBLE		W	1	13.95	70	136	1.76	15		8	0.012	0.100																						
1063283	2013-10-17 12:20	7	SW	BARELY DISCERNIBLE	SHEEN COLOR: 70% BARELY VISIBLE, 20% SILVERY, 5% SLIGHT COLORED, 5% RAINBOW.				2	5.97	150	125	1.45	25	17	0.011	0.185																					

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SEQNOS	INCIDENT DATE TIME	WIND SPEED	WIND DIRECTION	SHEEN COLOR	SHEEN-ODOR DESCRIPTION & SHEEN ADDITIONAL INFO	DIRECTION OF SHEEN TRAVEL	WAVE CONDITION	SHEEN SIZE: LENGTH (NM or FT)	SHEEN SIZE: WIDTH (NM or FT)	Reported Sheen Area (acres)	Reported Amt of Material (Gal) "RAM"	BAOAC- Estimated Amt of Material (Gal) "BRAM"	Assumptions (BAOAC thicknesses for NRC data, etc.)	Ratio of Corrected / Reported Amt of Mtrl "BRAM / RAM"	Reported Equiv Avg Thickness (micron) "RET"	BAOAC- Corrected Equiv Avg Thickness (micron) "BRET"	OWOC Sheen Area (acres)	WOC Observed Amt of Material (Gal) "WAM"	OWOC Equiv Thickness (micron) "WET"	OWOC / BAOAC-corrected Amt of Mtrl "WAM/ BRAM"	OWOC / Reported Amt of Mtrl "WAM/ RAM"	NOAA Sheen Area (acres)	NOAA Observed Amt of Material (Gal) "NAM"	NOAA Equiv Avg Thickness (micron) "NET"	NOAA / BAOAC-corrected Amt of Mtrl "NAM/ BRAM"	NOAA / Reported Amt of Mtrl "NAM/ RAM"	OTHER Sheen Area (acres)	OTHER Observed Amt of Material (GAL) "OAM"	OTHER Equiv Thickness (micron) "OET"			
1063362	2013-10-18 9:30			SILVERY	CRUDE OIL		2	2.62	70	26	0.34	5		16	0.012	0.200																
1063459	2013-10-19 12:50	10	NNE			SW	2	3.54	75	37	0.43	8	0.2 (Silvery)	16	0.011	0.200																
1063510	2013-10-20 9:50			BARELY DISCERNIBLE		SW		4	50	28	0.62	3		5	0.021	0.100																
1063578	2013-10-21 10:15			SILVERY			0	17.59	50	123	1.17	26		22	0.009	0.200																
1063693	2013-10-22 8:40						3	1	200	28	0.59	6	0.2 (Silvery)	10	0.020	0.200																
1063812	2013-10-23 8:10			SILVERY	CRUDE OIL	N	4	2640	200	12	0.06	3		43	0.005	0.200																
1063926	2013-10-24 9:15			SILVERY		ESE	4	1.7	300	71	0.21	15		72	0.003	0.200																
1063968	2013-10-24 11:27				****NOAA NESDIS REPORT**** SUSPECTED OIL ORIGINATING FROM UNKNOWN REPEAT LEAK SOURCE NEAR BIRD'S FOOT IN THE GULF OF MEXICO	NE		4.1		300		0	Use width per other NPC report this day. 0.1 micron minimum--> 18 gal, not 0.21									172	18	0.100		1.2	87.3					
1064060	2013-10-25 14:15	21	E	BARELY DISCERNIBLE			4	3	50	21	0.04	2		56	0.002	0.100																
1064110	2013-10-26 9:45	10	E				4	1.4	300	59	0.05	6	1.0 Barely Discernible	125	0.001	0.100																
1064148	2013-10-27 9:30			SILVERY	THE SHEEN IS 99% BARELY VISIBLE, 40% SILVERY, 1% DULL.			8.2	300	343	0	73			0.200																	
1064246	2013-10-28 9:15	9	ESE				2	9.7	300	406	8.69	87	0.2 (Silvery)	10	0.020	0.200																
1064315	2013-10-29 8:10			RAINBOW		NNE	2	2.2	500	153	4.32	164		38	0.026	1.000																
1064421	2013-10-30 9:20				SHEEN WAS 90% BARELY VISIBLE AND 10% SILVERY IN COLOR.			2.3	75	24	0.09	3		31	0.003	0.110																
1064608	2013-11-01 10:30			BARELY DISCERNIBLE	CRUDE OIL		3	.8	50	6	0.15	1		4	0.025	0.100																
1064687	2013-11-02 8:00			BARELY DISCERNIBLE			2	1.5	50	10	0.08	1		14	0.007	0.100																
1064747	2013-11-03 10:00			BARELY DISCERNIBLE			3	1.8	50	13	0.1	1		13	0.007	0.100																
1064845	2013-11-04 10:10			RAINBOW		WSW	3	2	100	28	0.21	30		142	0.007	1.000																
1065022	2013-11-06 8:15	17					3	1.8	200	50	0.53	11	0.2 (Silvery)	20	0.010	0.200																
1065302	2013-11-09 9:15			OTHER			2	6.5	300	272	1.72	58	0.2 (Silvery)	34	0.006	0.200																
1065337	2013-11-09 17:00				NOAA NESDIS REPORT: REPORT OF AN UNKNOWN SHEEN IN THE WATER NEAR THE TAYLOR ENERGY PLATFORM. (NRC report says unknown Responsible Party)	ENE		3.2		300		0	Could use 300ft width as in other NPC report for this day. Ebb to 0.1 micron gives 14 gal, NOT NRC's 1.72 gal!									134	14	0.100		0.2	8.3					
1065367	2013-11-10 9:00							2.6	200	73	1.05	16	0.2 (Silvery)	15	0.014	0.200																
1065428	2013-11-11 9:05			SILVERY			3	6.2	200	173	3.79	37		10	0.020	0.200																
1065434	2013-11-08 13:00			BARELY DISCERNIBLE			4	2	25	7	0.01	1		75	0.001	0.100																
1065528	2013-11-12 9:10			BARELY DISCERNIBLE		SSW		6.23	150	130	0	14			0.100																	
1065740	2013-11-14 9:45	12	SSE		SHEEN WAS 80% BARELY VISIBLE, 10% SILVERY, 5% RAINBOW AND 5% BRIGHTLY COLORED.		3	2.1	70	21	0.3	4		15	0.014	0.200																
1065860	2013-11-15 9:30				SHEEN COLOR: 75% BRIGHTLY COLORED AND 25% BARELY VISIBLE.		3	1.5	75	16	0.17	13		76	0.010	0.775																
1065955	2013-11-16 11:46				RAINBOW. 95% BARELY VISIBLE SHEEN IS HEADING SW AT 250 DEGREES.	WSW	2	3.42	70	33	0.24	5	5% Rainbow	22	0.007	0.145																
1066009	2013-11-17 11:00			BARELY DISCERNIBLE			1	6.36	50	44	0.53	5		9	0.011	0.100																
1066513	2013-11-21 14:45	20	SSE	BARELY DISCERNIBLE			4	3.5	50	24	0.12	3		22	0.005	0.100																
1066600	2013-11-22 8:45	8	S		SHEEN COLOR: 40% BARELY VISIBLE, 35% SILVERY, 10% SLIGHTLY COLORED AND 15% BRIGHTLY COLORED.		3	6.3	200	176	3.24	58		18	0.017	0.310																
1067104	2013-11-29 9:45			BARELY DISCERNIBLE			3	1.8	50	13	0.1	1		13	0.007	0.100																
1067144	2013-11-30 8:50	10	S		SHEEN WAS 80% BARELY VISIBLE		1	2.5	70	24	0	8	20% Silvery		0.120																	
1067212	2013-12-01 9:30										0	0	IGNORE																			
1067281	2013-12-02 8:45			BARELY DISCERNIBLE			0	2.31	50	16	0.37	2		5	0.021	0.100																
1067428	2013-12-03 9:45	5	S	SILVERY			6		200	167	0.97	36		37	0.005	0.200																
1067457	2013-12-03 16:00				AN AREA OF SUSPECTED OIL WAS DETECTED ORIGINATING FROM THE BIRD'S FOOT PLATFORM, EXTENDING SOUTHEAST. THE SLICK HAS SOME SILVER APPEARANCE TO IT WITH A MODERATE CONTRAST TO ITS SURROUNDINGS. FROM THE PLATFORM, THE SLICK EXTENDS SOUTHWARD FOR 3 KILOMETERS (KM) THEN SHARPLY TURNS EASTWARD FOR AN ADDITIONAL 7 KM. THE ORIENTATION OF THE SLICK IS CONSISTENT WITH NORTHERLY SURFACE WINDS AS WELL AS OCEAN CURRENTS AT THE TIME OF THE IMAGE. THE SLICK'S EASTERMOST EXTENT IS SOMEWHAT UNCERTAIN AS CLOUDS INHIBITED FURTHER DETECTION. REPORT TAKEN FROM THE NOAA/NESDIS MARINE POLLUTION SURVEILLANCE REPORT.					9.5	200		0	Silvery suggests 0.2 micron at least, but prefer to use consistent 0.1 micron as minimum estimate. Use width from other NPC report of this day--> 28 gal, not 0.97 gal.									265	28	0.100		0.8	29.2				
1067548	2013-12-04 11:00			OTHER			2	12	100	167	3.15	179		57	0.018	1.000																
1067672	2013-12-05 14:00			BARELY DISCERNIBLE			3	8.5	50	59	0.22	6		29	0.003	0.100																



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SEQNOS	INCIDENT DATE TIME	WIND SPEED	WIND DIRECTION	SHEEN COLOR	SHEEN-ODOR DESCRIPTION & SHEEN ADDITIONAL INFO	DIRECTION OF SHEEN TRAVEL	WAVE CONDITION	SHEEN SIZE: LENGTH (NM or FT)	SHEEN SIZE: WIDTH (NM or FT)	Reported Sheen Area (acres)	Reported Amt of Material (Gal) -"RAM"	BAOAC- Estimated Amt of Material (Gal) -"BRAM"	Assumptions (BAOAC thicknesses for NRC data etc.)	Ratio of Corrected / Reported Amt of Mtrl -"BRAM / RAM"	Reported Equiv Avg Thickness (micron) "RET"	BAOAC-Corrected Equiv Avg Thickness (micron) "BRET"	OWOC Sheen Area (acres)	WOC Observed Amt of Material (Gal) -"WAM"	OWOC Equiv Thickness (micron) -"WET"	BAOAC-Corrected Amt of Mtrl -"WAM/ BRAM"	OWOC / Reported Amt of Mtrl -"WAM/ RAM"	NOAA Sheen Area (acres)	NOAA Observed Amt of Material (Gal) -"NAM"	NOAA Equiv Avg Thickness (micron) -"NET"	BAOAC / NOAA-Corrected Amt of Mtrl -"NAM/ BRAM"	NOAA / Reported Amt of Mtrl -"NAM/ RAM"	OTHER Sheen Area (acres)	OTHER Observed Amt of Material (GAL) -"OAM"	OTHER Equiv Thickness (micron) -"OET"													
1067767	2013-12-06 11:00			BARELY DISCERNIBLE			3	4	50	28	4.52	3		1	0.152	0.100																										
1068193	2013-12-11 10:3			BARELY DISCERNIBLE		WSW	3	6.5	50	45	0.23	5		21	0.005	0.100																										
1068254	2013-12-11 21:03				MARINE POLLUTION SURVEILLANCE REPORT PROVIDED BY SATELLITE IMAGERY POSSIBLY COMING FROM THE DESTROYED TAYLOR PLATFORM IN MISSISSIPPI CANYON OFFSHORE AREA. A SMALL, NARROW SHEEN COULD BE SEEN IN SATELLITE IMAGERY TAKEN EARLIER THIS MORNING EXTENDING WEST-SOUTHWEST FROM THE DESTROYED TAYLOR SITE. SHEEN WAS ESTIMATED FROM SATELLITE TO BE 4.7 MILES LONG AND 0.26 MILES AT ITS WIDEST. ORIENTATION OF SHEEN MATCHES WELL WITH 10-15 KT EAST-NORTHEASTERLY SURFACE WINDS AND SOUTHWEST FLOWING OCEAN CURRENTS.			4.7	0.26			0	0.1 micron minimum										1,036	111	0.100	22.8	481.4															
1068291	2013-12-12 9:10	20	NE	OTHER			3	1.34	35	7	0.02	10.2 (Slivery)		70	0.003	0.200																										
1068335	2013-12-12 11:33		25	N	RAINBOW				5			0	Area: Avg + 1 day Rainbow 1.0															17.0	18.2	1.0												
1068424	2013-12-13 9:20	15	ESE	BARELY DISCERNIBLE			2	2.8	70	27	0.23	3		13	0.008	0.100																										
1068488	2013-12-14 9:05	14	W	BARELY DISCERNIBLE			3	2	50	14	0.11	1		14	0.007	0.100																										
1068574	2013-12-15 10:20	15	N	BARELY DISCERNIBLE			3	1.8	40	10	0.04	1		27	0.004	0.100																										
1068640	2013-12-16 10:20	15	N	BARELY DISCERNIBLE		SSW	3	1.8	40	10	0.04	1		27	0.004	0.100																										
1068789	2013-12-17 10:15			BARELY DISCERNIBLE	50% SILVERY			3.5	300	146	0.12	23	50% Barely Discernible	198	0.001	0.150																										
1068925	2013-12-18 10:00			BARELY DISCERNIBLE	SILVERY			5.5	500	384	5.31	82		15	0.013	0.200																										
1069001	2013-12-19 10:45			BARELY DISCERNIBLE	CRUDE OIL		3	1	500	70	0.21	7		36	0.003	0.100																										
1069090	2013-12-20 9:45			BARELY DISCERNIBLE	SILVERY	N	3	1.8	100	25	0.08	5		67	0.003	0.200																										
1069165	2013-12-21 9:30	15	SSE	OTHER		N	3	1.5	300	105	1.43	22	0.2 (Slivery)	16	0.013	0.200																										
1069250	2013-12-22 12:45			BARELY DISCERNIBLE	THE SHEEN IS 20% SILVERY, 30% SLIGHTLY, 80% BRIGHTLY IN COLOR.			1.5	500	63	6.6	46		7	0.068	0.690																										
1069328	2013-12-23 11:00			BARELY DISCERNIBLE		S	3	8	200	22	0.18	24		133	0.008	1.000																										
1069383	2013-12-24 9:35			BARELY DISCERNIBLE				1.6	50	11	0.04	1		30	0.003	0.100																										
1069456	2013-12-26 8:45			BARELY DISCERNIBLE	CALLER STATED THE SHEEN IS 80% BARELY VISIBLE.			8.5	500	59	0.8	9	40% Slivery	11	0.013	0.140																										
1069530	2013-12-27 9:30			BARELY DISCERNIBLE	SHEEN COLOR: 60% BARELY VISIBLE, 20% SILVERY, 10% SLIGHTLY COLORED, 10% BRIGHTLY COLORED.			2.75	50	19	0.15	5		34	0.007	0.250																										
1069599	2013-12-29 12:45			BARELY DISCERNIBLE			2	3	50	21	0.11	2		20	0.005	0.100																										
1069715	2013-12-30 9:45			BARELY DISCERNIBLE				4.6	30	13	0.18	2		11	0.009	0.100																										
1069834	2013-12-31 9:15	19	ESE	RAINBOW			4	3	50	21	0.27	22		83	0.012	1.000																										
2013 TOTALS and Yearly Ratio for (328) Taylor NRC Reports											1,995	20,659		10																												
2013 Average Daily for (328) Taylor Reports:											323	5.5	64		0.016	0.251	Avg B/T ET= 16																									
2013 MEDIAN for (328) Taylor Reports:											71	0.6	14		15.2	0.011	0.200																									
2013 Average Daily for (30) NOAA satellite NRC Reports:											6,224		665			0.100	Avg N/T ET= 0.10001																									
2013 MEDIAN for (30) NOAA satellite NRC Reports:											942		101			0.100																										
2013 Average Daily for (6) Other NRC Reports (including OWOC):											579	0	217			0.637																										
2013 MEDIAN for (6) Other NRC Reports (including OWOC):											274		144			0.655																										
2013 Average Daily for (14) OWOC Observations											705		209			0.427																										
2013 MEDIAN for (14) OWOC Observations											421		122			0.320																										
2013 Ranges for (14) OWOC Observations																																										
2013 TOTALS and Yearly Ratios for (14) OWOC OBSERVATIONS and for same-day Taylor NRC Reports: Note: B-NRC/NRC and OWOC-B-NRC Amt Ratios are simple averages of the yearly totals (equivalent to weighted averages of the daily ratios, weighted by Amts of the denominator), a more meaningful quantity than the (unweighted) average of the daily ratios.											59.8	718.1		12.0			2,920	4.1	48.8																							
2013 Daily AVERAGES FOR (14) OWOC OBSERVATIONS and same-day Taylor NRC Reports: Note: B-NRC/NRC and OWOC-B-NRC Amt Ratios given here are simple averages of the yearly totals noted below (equivalent to weighted averages of the daily ratios, weighted by Amts of the denominator), rather than the (unweighted) average of the daily ratios.											260	4.3	51.3		25.6	0.016	0.318	705	209	0.427	5.4	89.5																				
2013 MEDIAN for (14) OWOC OBSERVATIONS and same-day Taylor NRC Reports:											62	1.4	31.9		17	0.014	0.200	421	122	0.320	4.1	66.0																				



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see articles for photos, videos, GPS flight tracks, and flight logs for these and other of OWOC aerial observations of the Gulf of Mexico, since late Apr

SEQNOS	INCIDENT DATE TIME	WIND SPEED	WIND DIRECTION	SHEEN COLOR	SHEEN-ODOR DESCRIPTION & SHEEN ADDITIONAL INFO	DIRECTION OF SHEEN TRAVEL	WAVE CONDITION	SHEEN SIZE: LENGTH (NM or FT)	SHEEN SIZE: WIDTH (NM or FT)	Reported Sheen Area (acres)	Reported Amt of Material (Gal) -"RAM"	BAOAC- Estimated Amt of Material (Gal) -"BRAM"	Assumptions (BAOAC thicknesses for NRC data, etc.)	Ratio of Corrected / Reported Amt of Mtrl -"BRAM / RAM"	Reported Equiv Avg Thickness (micron) "RET"	BAOAC- Corrected Equiv Avg Thickness (micron) "BRET"	OWOC Sheen Area (acres)	WOC Observed Amt of Material (Gal) -"WAM"	OWOC Equiv Thickness (micron) -"WET"	OWOC / BAOAC-corrected Amt of Mtrl -"WAM/ BRAM"	OWOC / Reported Amt of Mtrl -"WAM/ RAM"	NOAA Sheen Area (acres)	NOAA Observed Amt of Material (Gal) -"NAM"	NOAA Equiv Avg Thickness (micron) -"NET"	NOAA / BAOAC-corrected Amt of Mtrl -"NAM/ BRAM"	NOAA / Reported Amt of Mtrl -"NAM/ RAM"	OTHER Sheen Area (acres)	OTHER Observed Amt of Material (GAL) -"OAM"	OTHER Equiv Thickness (micron) -"OET"										
2013 TOTALS and Yearly Ratios for (30) NOAA OBSERVATIONS and same-day Taylor NRC Reports: Note: B-NRC/NRC and OWOC/B-NRC Amt Ratios given here are simple averages of the yearly totals noted below (equivalent to weighted averages of the daily ratios, weighted by Amts of the denominator), rather than the (unweighted) average of the daily ratios.											83.4	1,530	18.3																			19,962			13.1	239.3			
2013 Daily AVERAGES for (30) NOAA Satellite NRC Reports and same-day Taylor NRC Reports: Note: B-NRC/NRC and NOAA/B-NRC Amt Ratios given here are simple averages of the yearly totals noted below (equivalent to weighted averages of the daily ratios, weighted by Amts of the denominator), rather than the (unweighted) average of the daily ratios.											201	2.8	51	25.1	0.012	0.215																6,224	665	0.160	78.0	1,613.1			
2013 MEDIAN for (30) NOAA Satellite NRC Reports and same-day Taylor NRC Reports:											111	1.4	28	19	0.009	0.200																942	101	0.100	2.6	72.1			
2013 Ranges for (30) NOAA satellite observations and same-day Taylor NRC Reports:																																							



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