

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

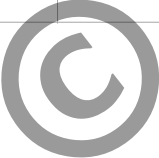
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OWOC Flight Observations of MC20 are published at OnWingsOfCare.org.
 See those articles for photos, videos, GPS flight tracks, and flight logs for these and other of OWOC aerial observations of the Gulf of Mexico, since late April 2010.

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: http://www.nrc.uscg.mil/ . 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"> <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>> 200 micron</td> <td>(NOMINAL: Very Dark = 200 microns)</td> </tr> <tr> <td>Emulsion (water in oil):</td> <td>>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 OnWingsOfCare.org, all based on the Bonn guidelines.</p> <p>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>==> 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"> — 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) — 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. <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>==> 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>



2012 NRC Reports & OWOC observations of surface oil sheen at GoM MC20,
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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"		
999457	2012-01-02 13:3			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.			2.7	1200	452	2.31	48		21	0.005	0.100															
999474	2012-01-03 9:00			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.			1500	200	7	0.02	1		37	0.003	0.100															
999559	2012-01-04 9:10			BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION.			2.9	1500	607	8.66	65		7	0.013	0.100															
999669	2012-01-05 9:45			SILVERY	NO ADDITIONAL INFORMATION.			5.1	500	356	3.92	76		19	0.010	0.200															
999781	2012-01-06 12:0			SILVERY	NO ADDITIONAL INFORMATION WAS PROVIDED.	SE		7.9	500	551	35.88	118		3	0.061	0.200															
999821	2012-01-07 10:0			BARELY DISCERNIBLE	CRUDE OIL			12.9	800	1,439	33.09	154		5	0.022	0.100															
999867	2012-01-08 9:55			OTHER	NO ADDITIONAL INFORMATION.			6	500	418	4.57	89	Silvery 0.2	20	0.010	0.200															
999924	2012-01-09 9:55			OTHER	NO ADDITIONAL INFORMATION.			17.1	400	954	48.75	204	Silvery 0.2	4	0.048	0.200															
1000070	2012-01-10 14:0			BARELY DISCERNIBLE	SILVERY/SLIGHT COLOR BRIGHTLY COLORED			2.2	800	245	3.35	118	Assume 25% each	35	0.013	0.450															
1000111	2012-01-11 8:15			BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION.			1	400	56	0.5	6		12	0.008	0.100															
1000282	2012-01-13 9:00			BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION.			1.5	600	126	1.17	13		11	0.009	0.100															
1000361	2012-01-14 8:30			BARELY DISCERNIBLE	NONE			2.7	1500	565	0	60				0.100															
1000444	2012-01-15 9:30			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.			3.7	.5	1,568	12.18	168		14	0.007	0.100															
1000469	2012-01-16 8:15			BARELY DISCERNIBLE	NONE ADDITIONAL.			1.2	300	50	0.56	5		10	0.010	0.100															
1000556	2012-01-17 8:40			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL COMMENTS.			2.9	500	202	1.63	22		13	0.008	0.100															
1000639	2012-01-18 9:15			SHEEN DESCRIPTION: 60% BARELY VISIBLE AND 40% SILVERY.		SW		3.3	400	184	2.64	28		10	0.013	0.140															
1000733	2012-01-19 9:45			BARELY DISCERNIBLE	CRUDE OIL			3.8	500	265	3.12	28		9	0.011	0.100															
1000849	2012-01-20 9:45			BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION.			3	50	21	0.28	2		8	0.013	0.100															
1000911	2012-01-21 9:45			BARELY DISCERNIBLE	NONE			2.1	400	117	2.52	13		5	0.020	0.100															
1000976	2012-01-22 12:1			SHEEN COLOR DESCRIPTION: 60% BARELY VISIBLE, 20% SILVERY, 10% SLIGHTLY COLORED, 10% BRIGHTLY COLORED.				5.3	400	296	6.65	79		12	0.021	0.250															
1001071	2012-01-23 13:3			FAINT COLORS	CALLER HAD NO ADDITIONAL COMMENTS.			2.7	50	19	0.32	10		31	0.016	0.500															
1001136	2012-01-24 9:10			RAINBOW	CALLER STATED THAT SHEEN WAS SEVERAL DIFFERENT COLORS.			9	75	94	1.46	101		69	0.015	1.000															
1001246	2012-01-25 9:30			BARELY DISCERNIBLE	NONE ADDITIONAL.			7	800	78	0.46	8		17	0.006	0.100															
1001362	2012-01-26 11:3			RAINBOW	NONE			6336	200	29	0.19	31		164	0.006	1.000															
1001453	2012-01-27 9:30			BARELY DISCERNIBLE	NONE			1.7	800	190	1.55	20		13	0.008	0.100															
1001542	2012-01-28 8:30			BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION.			5.4	600	452	5.24	48		9	0.011	0.100															
1001609	2012-01-29 8:45			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL COMMENTS.			1.7	1500	356	2.26	38		17	0.006	0.100															
1001680	2012-01-30 9:15			BARELY DISCERNIBLE	NONE ADDITIONAL.			8.6	2000	2,399	35.9	256		7	0.014	0.100															
1001885	2012-02-01 11:0			BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION.			2.5	1000	349	1.66	37		22	0.004	0.100															
1001988	2012-02-02 11:0			BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION.			1.1	1500	230	0.71	25		35	0.003	0.100															
1002074	2012-02-03 9:10			BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION.			1.7	600	142	1.23	15		12	0.008	0.100															
1002161	2012-02-04 10:0			BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION.			2.4	300	100	0.89	11		12	0.008	0.100															
1002204	2012-02-05 11:0			OTHER	NO ADDITIONAL INFORMATION.			3.5	300	146	2.4	31	Silvery 0.2	13	0.015	0.200															
1002238	2012-02-06 8:50			SILVERY	CALLER HAD NO ADDITIONAL COMMENTS.	SW		3	300	126	2.08	27		13	0.015	0.200															
1002347	2012-02-07 9:30			SILVERY	CALLER HAD NO ADDITIONAL INFORMATION.	SW		3.1	150	65	0.2	14		69	0.003	0.200															
1002471	2012-02-08 9:00			BARELY DISCERNIBLE	NONE ADDITIONAL.	SW		2.8	800	312	4.65	33		7	0.014	0.100															
1002564	2012-02-09 8:00			RAINBOW	CRUDE OIL			1.8	1000	251	2.73	268		98	0.010	1.000															
1002644	2012-02-10 9:00			BARELY DISCERNIBLE	CRUDE OIL			3.3	1200	552	6.78	59		9	0.011	0.100															

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1002799	2012-02-12 12:0			BARELY DISCERNIBLE				1.6	500	112	1.28	12		9	0.011	0.100															
1002831	2012-02-11 9:20		ESE	SILVERY				1.5	300	63	0.35	13		38	0.005	0.200															
1002864	2012-02-13 8:45			SILVERY	40% FAINT, 15% BRIGHTLY COLORED			1.8	400	100	2.88	47		16	0.027	0.440															
1002948	2012-02-14 9:40		9 NW	SILVERY		SSE		1.3	200	36	0.23	39		169	0.006	1.000															
1003052	2012-02-15 9:30			BARELY DISCERNIBLE	40% SILVERY			2.2	1200	368	8.29	55		7	0.021	0.140															
1003272	2012-02-17 10:0			SILVERY				4	200	112	1.59	119		75	0.013	1.000															
1003460	2012-02-20 8:35							0.8	600	67	0.94	14 Silvery		15	0.013	0.200															
1003533	2012-02-21 7:45			SILVERY				7	500	488	21.95	522		24	0.042	1.000															
1003676	2012-02-22 9:35			SILVERY		NNE		2.3	1000	321	8.53	343		40	0.025	1.000															
1003778	2012-02-23 11:4			BARELY DISCERNIBLE	CRUDE OIL			4.4	400	245	3.51	26		7	0.013	0.100															
1003834	2012-02-23 11:4			BARELY DISCERNIBLE				4.4	400	245	3.51	26		7	0.013	0.100															
1004001	2012-02-26 8:45							1	2000	279	2.57	60 Silvery		23	0.009	0.200															
1004248	2012-02-28 12:0			SILVERY				7	150	146	1.8	31		17	0.011	0.200															
See OWOC Web Article & NRC 1004408	20120229				Observed at 1504 CST. From OWOC Fil Log: "1504 = NRC1- Incident Report # 1004408- 2104Z (1504 CST), N28 54.373 W89 00.394 Near Taylor Energy 'spit'. Very long line of ugly sheen, from west to east of their buoys, at least 10 nm long."			10	50		0	Think lines of silvery w rainbow & dull, broader area of BD. Avg: 0.3					70	22	0.300	1.5	24.1										
1004364	2012-02-29 11:3			BARELY DISCERNIBLE				2.5	400	139	0.93	15		16	0.006	0.100															
1004408	2012-02-29 22:5				AERIAL OBSERVATION OF SURFACE OIL SHEEN, MADE AT 2104Z (1504 CST) ON 2/29/2012 NEAR THE SITE OF THE TAYLOR ENERGY CHRONIC OIL LEAK OFF THE SOUTHERN COAST OF LOUISIANA, AT N28° 54.373', W089° 00.394'. (More info available at OnWingsOfCare.org)			10	50		0	Think lines of silvery w rainbow & dull, broader area of BD. Avg: 0.3															70	22	0.300		
1004562	2012-03-02 9:30			BARELY DISCERNIBLE				1.5	300	63	0.99	7		7	0.015	0.100															
1004656	2012-03-03 13:1			BARELY DISCERNIBLE				7	200	20	0.05	2		26	0.004	0.100															
1004707	2012-03-04 9:15			BARELY DISCERNIBLE				1.6	1000	223	0.95	24		25	0.004	0.100															
1004751	2012-03-05 8:25			BARELY DISCERNIBLE	NO INFO GIVEN			0	102	0	1.02	102 x10		10																	
1004915	2012-03-06 8:00			OTHER				5.8	2500	2,023	12.81	432 Silvery 0.2		34	0.006	0.200															
1005021	2012-03-07 9:20			SILVERY				1.1	300	46	0.12	10 Silvery 0.2		82	0.002	0.200															
1005146	2012-03-08 11:4									0	0.07	0.7 x10		10																	
1005267	2012-03-09 15:0			BARELY DISCERNIBLE	CRUDE OIL			1.2	150	25	0.19	3		14	0.007	0.100															
1005338	2012-03-10 8:40			BARELY DISCERNIBLE	CRUDE OIL			2.3	50	16	3.61	2		0	0.211	0.100															
1005383	2012-03-11 10:11			BARELY DISCERNIBLE		W		1.6	300	67	0.28	7		26	0.004	0.100															
1005473	2012-03-12 10:2			SILVERY				2.4	300	100	1.93	21		11	0.018	0.200															
1005644	2012-03-13 15:0			BARELY DISCERNIBLE		NNE		1.8	100	25	0.07	3		38	0.003	0.100															
1005734	2012-03-14 11:3		10 ESE	OTHER		WSW		4.6	300	192	3.25	41 Silvery		13	0.016	0.200															
1005853	2012-03-15 14:4		6 E	SILVERY	CRUDE OIL	W		2.5	200	70	0.28	15		53	0.004	0.200															
1006025	2012-03-17 11:1			BARELY DISCERNIBLE	CRUDE OIL			1	200	28	0.12	3		25	0.004	0.100															
1006093	2012-03-18 9:15							1	300	42	0.24	Barely Discernible 4 0.1		19	0.005	0.100															
1006295	2012-03-20 8:30			BARELY DISCERNIBLE				1.3	400	73	0.65	8		12	0.008	0.100															
1006546	2012-03-22 9:30			BARELY DISCERNIBLE		NNW		1.6	1.3	1,762.8	8.35	188.4		23	0.004	0.100															

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) (GRAM)	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"			
1006720	2012-03-23 15:0			BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION.			2.4	300	100	2.37	11		5	0.022	0.100																
1006823	2012-03-25 9:30			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL COMMENTS.			6.8	600	569	4.66	61		13	0.008	0.100																
1006889	2012-03-26 9:00			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL COMMENTS.			7	1200	1,172	16	125		8	0.013	0.100																
1006901	2012-03-26 11:0			RAINBOW	CALLER IS REPORTING AN UNKNOWN SHEEN SIGHTING. EXACT SOURCE OF THE SHEEN IS UNKNOWN AT THIS TIME. LAT: 28N 56 53' LONG: 88W 58 43' CALLER HAD NO ADDITIONAL COMMENTS.	SSW	0	10	150		0																	209	224	1,000		
1007018	2012-03-27 10:3			SILVERY	10% COVERAGE. 10% BARELY VISIBLE.			1	300	42	150		? Unusually large Amt reported by Taylor, for the sheen size	0	3.353	0.100																
1007108	2012-03-28 10:1			SILVERY	NONE ADDITIONAL.	N		1.4	400	78	0.57	17		29	0.007	0.200																
1007477	2012-04-01 9:50			SILVERY	CALLER HAD NO ADDITIONAL COMMENTS.			2.9	500	202	7.86	43		6	0.036	0.200																
1007557	2012-04-02 9:45			SILVERY	SHEEN COLOR: 60% BARELY VISIBLE AND 40% SILVERY.			4	4.3	600	360	6	54	9	0.016	0.140																
1007674	2012-04-03 8:50			SILVERY	NONE ADDITIONAL.			4.5	100	63	0.3	13		45	0.004	0.200																
1007901	2012-04-05 14:3		10 NW	BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION WAS PROVIDED.	SW	2	2	400	112	2.51	12		5	0.021	0.100																
See OWOC Web Article	20120406				From OWOC GPS Tracks and Fil Log: "0209: 1403 CDT, N28 56.367 W88 58.210 Taylor Energy slick. White buoy with line still there (documented previously). (Images 5269-5279)" For more info see Web article.			4.9	0.2		0		BD, Barely Discernible 0.1				831	89	0.100	1.0	19.6											
1007957	2012-04-06 9:00		9 NNW	BARELY DISCERNIBLE	NONE	SW	3	4.8	1200	803	4.52	86	BD	19	0.005	0.100																
1008085	2012-04-08 9:00			BARELY DISCERNIBLE	NONE	SW		4.9	1200	820	8.39	88		10	0.010	0.100																
1008137	2012-04-09 9:00		5	BARELY DISCERNIBLE	NONE PROVIDED			0	2.5	300	105	1.86	22 Silvery 0.2	12	0.017	0.200																
1008242	2012-04-10 9:20		5 NE	RAINBOW	NONE ADDITIONAL.	SW	2	4.5	75	47	0.58	50		87	0.012	1.000																
1008362	2012-04-11 9:00		4 NW	SILVERY	CRUDE OIL			2	4.2	600	352	5.3	75	14	0.014	0.200																
See OWOC Web Article	20120412				About 5 nm long, goons from narrow start to about 0.3 nm wide. 75% barely discernible, 20% silvery, 5% rainbow (running through center of thin lines, multiple). See photos. From OWOC Fil Log: "0209: 1040 CDT, N28 56.362 W88 58.331 Taylor Energy slick. Didn't see the white buoy today.			5	0.3		0		75% BD, 20% silvery, 5% rainbow				1,271	224	0.165	13.2	350.4											
1008471	2012-04-12 9:20			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL COMMENTS.			5	7.6	150	159	0.64	17	27	0.004	0.100																
1008583	2012-04-13 9:00			SILVERY	20% BARELY VISIBLE. 15% SLIGHTLY COLORED			6	500	418	15.96	101	65% Silvery 0.2	6	0.036	0.225																
1008650	2012-04-14 9:50		10 SE	BARELY DISCERNIBLE	NONE	NNW	5	1.3	1000	181	0.83	39	Silvery 0.2	47	0.004	0.200																
1008701	2012-04-15 8:00		5 SE	BARELY DISCERNIBLE	SHEEN WAS 90% BARELY DISCERNIBLE AND 10% SILVERY.			5	4224	500	48	0.21	5	25	0.004	0.100																
1008792	2012-04-16 9:00		18 SSE	BARELY DISCERNIBLE	NONE ADDITIONAL.	NNE	5	5	500	35	0.07	4		53	0.002	0.100																
1008906	2012-04-17 8:30			RAINBOW	CALLER HAD NO ADDITIONAL COMMENTS.			2	1	200	28	0.29	30	103	0.010	1.000																
1008995	2012-04-18 8:45			BARELY DISCERNIBLE	NONE			3.9	300	163	3.75	17		5	0.021	0.100																
1009158	2012-04-19 19:3		4 NE	RAINBOW PUNGENT	***WEB REPORT*** RAINBOW SHEEN OBSERVED JUST AFTER SUNSET. 3 FT WIDE X 300 FT LONG ORIENTED IN A NE TO SW DIRECTION. CURRENT OBSERVATION WAS SETTING TOWARDS SW AT 1 KT.	SW	1	200	30		0																					
1009206	2012-04-20 8:45			BARELY DISCERNIBLE	NONE			6.2	400	346	4.72	37		8	0.013	0.100																
1009450	2012-04-23 11:3		22 WSW	BARELY DISCERNIBLE	SHEEN DESCRIPTION: 70% BARELY DISCERNIBLE AND 30% SILVERY			4	1.5	800	167	1.48	18	12	0.008	0.100																
1009536	2012-04-24 9:30			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL COMMENTS.			1	5.3	1000	739	1.51	79	52	0.002	0.100																
1009631	2012-04-25 9:00			SILVERY	NONE ADDITIONAL.	ENE		4.8	500	335	5.64	72		13	0.016	0.200																
1009744	2012-04-26 9:00		16 SSW	SILVERY	40% BARELY VISIBLE	NE	3	5.3	500	370	5.04	63		13	0.013	0.160																

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1009838	2012-04-27 9:00	11	S	BARELY DISCERNIBLE	CRUDE OIL	NE		8.6	200	240	2.05	26		13	0.008	0.100														
1009934	2012-04-28 9:00	10		SILVERY	40% BARELY VISIBLE CALLER STATED SHEEN WAS 65% BARELY DISCERNIBLE, 30% SILVERY AND 5% SLIGHTLY COLORED		3	7	500	488	12.64	104		8	0.024	0.200														
1009992	2012-04-29 9:00	8	S		SHEEN DESCRIPTION: 70% BARELY VISIBLE AND 30% SILVERY		4	2.6	1000	363	2.68	58		22	0.007	0.150														
1010091	2012-04-30 9:00	11	E		SHEEN DESCRIPTION: 70% BARELY VISIBLE AND 30% SILVERY		3	6.8	500	474	4.2	101		24	0.008	0.200														
1010218	2012-05-01 9:00	5	ESE	BARELY DISCERNIBLE	NONE		1	1.8	2500	628	6.41	67		10	0.010	0.100														
1010356	2012-05-02 13:3	12	SSE	BARELY DISCERNIBLE	10% SILVERY, 5% BARELY VISIBLE		4	1.4	1200	234	2.5	28		11	0.010	0.110														
1010440	2012-05-03 8:15				SHEEN COLOR: 90% BARELY VISIBLE AND 10% SILVERY		3	1.3	1500	272	2.54	32		13	0.009	0.110														
1010554	2012-05-04 8:45	7	NNW	BARELY DISCERNIBLE	80% BARELY VISIBLE, 10% SILVERY, 5% BRIGHTLY COLORED			5.1	2000	1423	19.38	304		16	0.013	0.200														
1010627	2012-05-05 9:00			BARELY DISCERNIBLE	NONE			1.5	200	42	0.75	4		6	0.017	0.100														
1010687	2012-05-06 8:30			BARELY DISCERNIBLE	NONE			1.5	150	31	0.71	3		5	0.021	0.100														
1010760	2012-05-07 9:00			BARELY DISCERNIBLE	NONE		0	2.6	300	109	2.61	12		4	0.022	0.100														
1010871	2012-05-08 9:10	4	N	FAINT COLORS	SHEEN COVERAGE WAS 20%.			3	500	209	4.2	22		5	0.019	0.100														
1010988	2012-05-09 9:05	3	N	SILVERY	35% BARELY VISIBLE, 30% BRIGHTLY COLORED		0	4.8	400	268	10.26	116	35% Silvery 0.2	11	0.036	0.405														
1011094	2012-05-10 8:30			BARELY DISCERNIBLE	NONE	WSW	4	5	600	418	2.78	45		16	0.006	0.100														
1011357	2012-05-13 10:0	2	NW		NONE PROVIDED						6.51	65.1		10																
1011358	2012-05-12 9:00	11		OTHER	SHEEN WAS BARELY VISIBLE, SILVERY AND SLIGHTLY COLORED			3	1000	418	4.49	98	40-40-20%	22	0.010	0.220														
1011440	2012-05-14 9:30			SILVERY	CALLER HAD NO ADDITIONAL COMMENTS.		0	6	1500	1,255	34.63	268		8	0.026	0.200														
1011670	2012-05-16 8:50	10	N	UNKNOWN	CALLER IS REPORTING AN UNKNOWN SHEEN SIGHTING. EXACT SOURCE OF THE SHEEN IS UNKNOWN AT THIS TIME. — MC22 CALLER HAD NO ADDITIONAL COMMENTS.		2	4	4		0	36	Barely Discernible 0.1																	
1011778	2012-05-16 8:30	12	SSE	OTHER	(Taylor)	SSE	3	4.2	300	176	6.53	36	0.004	6	0.035	0.200														
1011804	2012-05-17 8:45				NONE		3	5.7	200	159	2.91	170		58	0.017	1.000														
1011903	2012-05-18 8:30	15	NE	BARELY DISCERNIBLE	10% SILVERY, 10% RAINBOW, 10% SLIGHTLY COL		3	3.1	300	130	2.31	33		14	0.017	0.240														
1012019	2012-05-19 8:30	10	NE	BARELY DISCERNIBLE	NONE	WSW	3	1.9	200	53	0.8	6		7	0.014	0.100														
1012082	2012-05-20 9:00	11	NNE	BARELY DISCERNIBLE	NONE		2	3.9	200	109	1.39	12		8	0.012	0.100														
1012190	2012-05-21 9:00	8	NE	BARELY DISCERNIBLE	NONE	SSW	2	32208	200	148	2.03	16		8	0.013	0.100														
See OWOC Web Article	20120522				From OWOC Fil Log: '0267. 1215 CDT. N28 56.783 W88 57.328 — East end of Taylor Energy oil slick. '0268. 1237 CDT. N28 46.407 W88 55.503 10 drone hydrophones moving in parallel, southwestward. (Seismic monitoring?) Who is controlling them, from where? Where did they start and where are they going? How long will they be out there?' '0268. 1528 CDT. N28 51.896 W89 03.163 — SW corner of the Taylor Energy slick.'			7.8	200		0		40% Rainbow, 30% Silvery, 30% BD					218	114	0.490	9.4	158.3								
1012283	2012-05-22 10:3			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL COMMENTS.		0	2.7	300	113	0.72	12	BD	17	0.006	0.100														
1012377	2012-05-23 8:30		W	SILVERY	NONE	SE	2	7.6	300	318	10.56	68		6	0.031	0.200														
1012520	2012-05-24 9:15	10	SSW	SILVERY	30% RAINBOW, 20% BARELY VISIBLE		3	5.2	200	145	5.34	65		12	0.034	0.420														
1012608	2012-05-25 8:25	6	E	RAINBOW	NONE	E	2	7.3	200	204	6.87	218		32	0.032	1.000														
1012703	2012-05-26 9:30			SILVERY	CRUDE OIL		3	3.1	500	216	2.42	46		19	0.010	0.200														
1012840	2012-05-28 9:00	7	NNW	SILVERY	NONE		2	6.7	500	467	5.38	100		19	0.011	0.200														
1012927	2012-05-29 9:00	19	NE	BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL COMMENTS.		4	2.9	800	324	3.19	35		11	0.009	0.100														

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See OWOC Web Article	20120530				From OWOC Fit Log and GPS tracks: "0291.1456 CDT N28 54.841 W88 59.215 W-NW corner of the Taylor slick today (20120530)." Track showed 7.4 nm NW to SE, winding a bit to make a total of about 8.4 nm, average about 150 ft wide, wider near NW end, tapering to a 50-ft wide line of rainbow/ silverlight gray. Say avg: 7.9 x 0.5 nm, 10% rainbow, 60% silver, 30% BD.			7.9	0.5		0		10% R, 60% S, 30% BD					3.348	895	0.250	5.2	77.5							
1013031	2012-05-30 8:25	15	N	BARELY DISCERNIBLE	20% SILVERY, 10% BRIGHTLY COLORED	ESE	3	4.6	1200	770	11.55	173	20% S, 10% R, 70% BD	15	0.014	0.210													
1013153	2012-05-31 7:15			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL COMMENTS.	ENE	2	3.2	300	134	2.4	14		6	0.017	0.100													
1013287	2012-06-01 9:00			BARELY DISCERNIBLE	SHEEN COLOR: 60% BARELY VISIBLE, 20% SILVERY, 10% SLIGHTLY COLORED AND 10% BRIGHTLY COLORED.		3	3.9	700	381	8.57	102		12	0.021	0.250													
1013381	2012-06-02 9:30	4	ESE	BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION.	N	2	3.3	800	368	9.49	39		4	0.024	0.100													
1013439	2012-06-03 9:00			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL COMMENTS.	NE	0	3.2	800	357	6.5	38		6	0.017	0.100													
1013512	2012-06-04 8:45	15	WNW	BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION.		3	10.8	1200	1,808	22.18	193		9	0.011	0.100													
1013703	2012-06-06 9:00	6	NW	SILVERY	NONE	ENE	2	7.3	500	509	7.8	109		14	0.014	0.200													
1013851	2012-06-07 9:15	2	SE	SILVERY	CRUDE OIL		0	8	500	558	21.39	119		6	0.036	0.200													
1013955	2012-06-08 10:4			RAINBOW			1	200	28	0.27	30		110	0.009	1.000														
1014053	2012-06-09 10:3	13	S	RAINBOW		N	3	2.1	1000	293	7.49	313		42	0.024	1.000													
1014186	2012-06-11 9:30	16	SW	SILVERY		NNE	4	3.4	300	142	2.54	30		12	0.017	0.200													
1014316	2012-06-12 8:15			BARELY DISCERNIBLE			3	2.2	250	77	1.11	8		7	0.014	0.100													
1014420	2012-06-13 7:45			BARELY DISCERNIBLE				3.7	600	310	6.98	33		5	0.021	0.100													
1014576	2012-06-14 8:00			BARELY DISCERNIBLE				3.5	3	8,899	1.87	951		509	0.0002	0.100													
1014676	2012-06-15 8:00			BARELY DISCERNIBLE		W		3.7	500	258	7.11	28		4	0.026	0.180													
1014769	2012-06-16 9:30	20	S	BARELY DISCERNIBLE		W	5	7	300	29	0.03	3		104	0.001	0.100													
1014846	2012-06-17 13:1			BARELY DISCERNIBLE			3	1.9	1000	265	3.38	28		8	0.012	0.100													
1014907	2012-06-18 8:30			BARELY DISCERNIBLE	SHEEN DESCRIPTION: 80% BARELY VISIBLE, 10% SILVERY AND 10% SLIGHTLY COLORED.			2.1	1200	352	3.36	56		17	0.009	0.150													
1015022	2012-06-19 10:2	14	SE	SILVERY		W	4	2.2	300	92	0.46	20		43	0.005	0.200													
1015148	2012-06-20 9:05			BARELY DISCERNIBLE	SHEEN WAS 75% BARELY DISCERNABLE AND 25% SILVERY.		4	2	200	56	0.35	7		21	0.006	0.125													
1015249	2012-06-21 9:30	20	SE	BARELY DISCERNIBLE	20% SILVERY		4	3.8	200	106	0.48	16		33	0.004	0.140													
1015371	2012-06-22 8:45	15	NE	OTHER			3	2.1	100	29	0.16	6	Silvery 0.2	39	0.005	0.200													
1015463	2012-06-23 8:45	18	ENE	SILVERY	10% SLIGHT, 20% BRIGHTLY COLORED	WSW	3	3.5	150	73	0.42	31		73	0.005	0.390													
1015467	2012-06-23 11:5			BARELY DISCERNIBLE	REPORT OF AN UNKNOWN SHEEN SIGHTED BY A HELICOPTER PILOT IN THE GULF OF MEXICO.			1	100			0	Silvery 0.2													14	3	0.200	
1015625	2012-06-25 9:30	20	SW	BARELY DISCERNIBLE	10% SILVERY		5	8	100	11	0.02	1		66	0.002	0.110													
1015760	2012-06-26 9:10	10	ENE	SILVERY			2	6.5	200	181	1.35	39		29	0.007	0.200													
1015922	2012-06-27 8:30			BARELY DISCERNIBLE			3	6.4	400	357	6	38		6	0.018	0.100													
1016067	2012-06-28 9:45	8	SW	BARELY DISCERNIBLE			2	3.9	800	435	16.59	47		3	0.036	0.100													
1016210	2012-06-29 13:3			SILVERY				3.6	5	1,526	9.97	326		33	0.006	0.200													
1016323	2012-06-30 9:00	5	SW	BARELY DISCERNIBLE				4.6	200	128	2.75	14		5	0.020	0.100													
1016374	2012-07-01 8:15		ENE	OTHER		ENE	0	4.2	200	117	2.58	25	Silvery 0.2	10	0.021	0.200													
1016467	2012-07-02 9:00	8	NW	BARELY DISCERNIBLE		W	3	1.5	300	63	0.79	13	Silvery 0.2	17	0.012	0.200													
1016586	2012-07-03 8:30	9	NW	RAINBOW		E	2	7	300	293	11	313		28	0.035	1.000													
1016779	2012-07-05 9:25			RAINBOW		E	0	9.5	800	1,060	118.09	1,133		10	0.104	1.000													
1016890	2012-07-06 9:15	4	NNW	RAINBOW		E	1	12.3	500	858	101.7	917		9	0.111	1.000													
1016943	2012-07-06 15:5			RAINBOW		E	2	4.5	500	314	19.85	335		17	0.059	1.000													
1017060	2012-07-08 9:00			RAINBOW		E	0	9	500	628	61.6	671		11	0.092	1.000													
1017161	2012-07-09 9:00			RAINBOW	6.2 MILES X 150 FEET SILVERY		1	5.8	600	485	49	415	25% Silvery	8	0.094	0.800													
1017237	2012-07-09 16:0			RAINBOW						0	22.93	229.3	x10	10															
1017271	2012-07-10 8:30			RAINBOW		NE	9	300	377	26.36	403			15	0.065	1.000													
1017394	2012-07-11 8:25	0		OTHER	SHEEN COLOR: 30% BARELY VISIBLE-20% SILVERY-40% SLIGHTLY COLORED-10% BRIGHTLY COLORED.	NNE	0	14.6	200	407	12.91	161		12	0.030	0.370													
1017506	2012-07-12 8:00			BARELY DISCERNIBLE		N		9.3	200	259	7.43	55	Silvery 0.2	7	0.027	0.200													
1017614	2012-07-13 8:00	5	SSE	BARELY DISCERNIBLE	20% SILVERY, 30% SLIGHTLY COLORED, 7% BC		3	7.7	200	215	7.37	70		9	0.032	0.303													
1017744	2012-07-14 9:00			BARELY DISCERNIBLE		NNE		7.3	300	305	8.32	33		4	0.025	0.100													

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SEQNO5	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) (GRAM)	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"
1017816	2012-07-15 8:45			BARELY DISCERNIBLE				4.7	400	262	3.49	28		8	0.012	0.100													
1017900	2012-07-16 8:40	7	ESE	BARELY DISCERNIBLE			2	3.7	400	206	4.22	22		5	0.019	0.100													
1018019	2012-07-17 8:45	8	NNE				3	2.5	300	105	3.32	22	Silvery 0.2	7	0.030	0.200													
1018149	2012-07-18 9:30	4	E	SILVERY		NW	2	7.1	200	198	4.25	42		10	0.020	0.200													
1018271	2012-07-19 9:30	8	S	SHEEN WAS 10% SILVERY, 30% SLIGHTLY COLORED AND 60% BRIGHTLY COLORED.			0	1.9	100	27	0.56	22		39	0.020	0.770													
1018418	2012-07-20 10:4	9	W	SILVERY		E	3	2.9	150	61	2.23	13		6	0.034	0.200													
1018562	2012-07-21 9:30	9	SE	SILVERY			3	2.6	100	36	1.17	8		7	0.030	0.200													
1018578	2012-07-22 9:20			SILVERY	DESCRIPTION OF AN ADDITIONAL SHEEN: "5.5 MILES X 400 FEET IN SIZE".			7.5	100	105	10.38	22		2	0.093	0.200													
1018672	2012-07-23 9:20	9	ESE				2				1.03	10.3	x10	10															
1018713	2012-07-23 11:0	7	SE	DARK BROWN LONG STRING CRUDE OIL SMELL	"WEB REPORT" - "WEB REPORT" - DARK BROWN CRUDE OIL HAS BEEN DISCOVERED IN MC20 AT THE DOWNED TAYLOR ENERGY PLATFORM. THE OIL SLICK MEASURES 0.33 MILES LONG (1,733 FT) BY 50 FEET WIDE AT 50% COVERAGE. POS: 28 56' 12.2" N, 088 58' 10.9" W.	ENE		1733	50		0	Dark Brown 10.0															2	21	10.0
1018727	2012-07-23 14:4						2	3.6	400	201	27.67	43	Silvery	2	0.129	0.200													
1018774	2012-07-24 7:50			BARELY DISCERNIBLE		N	0	6.2	300	259	8	28		3	0.029	0.100													
1018963	2012-07-25 8:44			BARELY DISCERNIBLE		ESE	3	2.4	300	100	3.97	11		3	0.037	0.100													
1019018	2012-07-26 8:25	10	NW	BARELY DISCERNIBLE		E	3	4.6	400	257	6.11	27		4	0.022	0.100													
1019132	2012-07-27 8:05	6	ENE	BARELY DISCERNIBLE		ENE	2	5.8	300	243	10.36	26		3	0.040	0.100													
1019230	2012-07-28 8:45		N	BARELY DISCERNIBLE		NE	3	6.9	400	385	7	41		6	0.017	0.100													
1019312	2012-07-29 8:45			BARELY DISCERNIBLE				7.3	500	509	9.89	54		6	0.018	0.100													
1019346	2012-07-29 15:3			BROWN	CALLER REPORTED AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE - MC20.		2	5.7	50		0	Brown - 5.0															40	212	5.000
1019399	2012-07-30 8:00	12	NW	BARELY DISCERNIBLE	30% SILVERY, 10% SLIGHTLY COLORED.		3	4.3	300	180	2.45	33		13	0.013	0.170													
1019501	2012-07-31 7:30	7	W	SHEEN WAS 20% SILVERY, 20% SLIGHTLY COLORED AND 60% RAINBOW.			2	5.6	150	117	2.26	93		41	0.018	0.740													
1019635	2012-08-01 12:5							3.4	200	95	7.75	20	Silvery 0.2	3	0.076	0.200													
1019730	2012-08-02 9:30	9	NW	SILVERY			2	4	300	167	3.68	34		10	0.021	0.200													
1019893	2012-08-03 9:30			SILVERY		NE	0	14.5	200	405	14.47	88		6	0.033	0.200													
1019956	2012-08-04 9:45	4	ENE	SILVERY			2	10	200	279	5.51	60		11	0.018	0.200													
1020025	2012-08-05 10:2			RAINBOW		NNE	2	7	500	488	21	104		5	0.040	0.200													
1020129	2012-08-06 9:15	0		OTHER				8.4	500	586	21.26	125	Silvery 0.2	6	0.034	0.200													
1020245	2012-08-07 8:45			BARELY DISCERNIBLE	SHEEN WAS 30% BARELY VISIBLE, 25% SILVERY, 5% SLIGHTLY COLORED, 20% RAINBOW AND 5% DULL.			1.8	500	126	16.36	69		4	0.122	0.515													
1020304	2012-08-07 16:0						8		400	446	17.97	48	0.1	3	0.038	0.100													
1020359	2012-08-08 9:00						2	6	400	335	11.13	36	0.1	3	0.031	0.100													
1020490	2012-08-09 9:30		W	BARELY DISCERNIBLE	CRUDE OIL	NNE	3	4.2	600	352	8.6	38		4	0.023	0.100													
1020641	2012-08-10 9:15	12		BARELY DISCERNIBLE	CRUDE OIL	NNE	3	9.4	400	524	7.51	56		7	0.013	0.100													
1020754	2012-08-11 14:0			BARELY DISCERNIBLE	(Taylor)		3	1.1	400	61	0	7				0.100													
See OWOC Web Article 20120812					Observed from west of the slick, meandering the line of silvery sheen mixed with some rainbow, about 400 ft wide on average, length was easily 10 nm. Also saw a waterpout in storm clouds just to our west (great photo). Estimate 10% rainbow, 50% Silvery, 40% BD.			10	400			0	10% RE, 50% S, 40% BD					558	143	0.240	0.9	5.1							
1020794	2012-08-12 8:45			OTHER				11.2	500	781	27.94	167	NONE (assume Silvery 0.2)	6	0.033	0.200													
1020890	2012-08-13 8:15			RAINBOW				12.6	400	703	22.63	752		33	0.030	1.000													
1021011	2012-08-14 9:00	9	SW	SILVERY			9	150	188	7.97	40	40		5	0.040	0.200													
1021126	2012-08-15 7:45			SILVERY		NE	1	9.5	100	133	6.95	28		4	0.049	0.200													
1021224	2012-08-16 9:30			SILVERY	CRUDE OIL		0	10.9	100	152	7.07	33		5	0.043	0.200													
1021335	2012-08-17 9:20			SILVERY				8.5	100	119	7.63	25		3	0.060	0.200													
1021456	2012-08-18 9:15					NE		8.7	100	121	4.41	26	Silvery 0.2	6	0.034	0.200													
1021660	2012-08-20 15:1			RAINBOW	COLOR: RAINBOW/SILVER/SLIGHT COLOR.		2	4.2	100	59	0.6	35	33-33-33	59	0.010	0.563													
1021742	2012-08-21 8:20			BARELY DISCERNIBLE			3	6.7	500	467	11.47	50		4	0.023	0.100													
1021868	2012-08-22 8:45			BARELY DISCERNIBLE				6.2	500	432	18.56	46		2	0.040	0.100													
1021981	2012-08-23 9:10			FAINT COLORS		NE	2	4	400	223	6.27	119		19	0.026	0.500													
1022090	2012-08-24 9:45			BARELY DISCERNIBLE	CRUDE OIL		2	3.8	300	159	10.28	17		2	0.060	0.100													

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) (GRAM)	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"		
1022160	2012-08-25 7:45		8	BARELY DISCERNIBLE		NE	2	12.4	700	1,211	26.4	129		5	0.020	0.100															
1022226	2012-08-26 9:00		S	BARELY DISCERNIBLE		SE	3	1.6	1500	335	6.29	36		6	0.018	0.100															
1022300	2012-08-27 8:30			BARELY DISCERNIBLE		ESE		1.1	500	77	0.68	8		12	0.008	0.100															
1022822	2012-08-31 10:4			SILVERY	CRUDE OIL		5	1	100	14	0.11	3		27	0.007	0.200															
1022904	2012-09-01 8:00		3 S	BARELY DISCERNIBLE		NNE		1.8	75	19	0.82	2		2	0.041	0.100															
1022995	2012-09-02 8:30		N	OTHER COLORED*	SHEEN COLOR: "60% BRIGHTLY COLORED".		2	5.2	200	145	5.43	105		19	0.035	0.680															
1023110	2012-09-03 9:45			BARELY DISCERNIBLE	SHEEN COLOR: "SLIGHTLY COLORED".		0	4	150	84	1.08	45		41	0.012	0.500															
1023263	2012-09-04 10:0		2 W	BARELY DISCERNIBLE				2.8	100	39	1.55	8	Silvery 0.2	5	0.037	0.200															
1023527	2012-09-06 8:55		10 NE	OTHER				3.8	600	318	0.00	68	Silvery 0.2		0.000	0.200															
1023773	2012-09-08 9:25			BARELY DISCERNIBLE	CRUDE OIL	NNW	3	1.4	150	29	0.19	3		16	0.006	0.100															
1023853	2012-09-09 10:0			RAINBOW		WSW	1	4.2	100	59	0.85	63		74	0.014	1.000															
1023976	2012-09-10 10:0			SILVERY	"WEB REPORT" - VERY LONG OIL SLICK EXTENDS AT LEAST 4 MILES			4	300		0.00		Use width +- 1 day, 50-50 Silvery-Rainbow																		
1024077	2012-09-11 8:15			SILVERY				12.7	500	866	19.31	189		10	0.020	0.200															
1024209	2012-09-12 9:20			SILVERY				2.2	100	31	0.68	7		10	0.021	0.200															
1024308	2012-09-13 9:15			SILVERY							0.28	2.8 x10		10																	
1024448	2012-09-14 10:0		16 N	SILVERY		WSW		4.8	200	134	1.5	29	Silvery	19	0.010	0.200															
1024520	2012-09-15 10:0		11 NE	FAINT COLORS			2	4.4	100	61	1.31	33		25	0.020	0.500															
1024593	2012-09-16 9:45			OTHER				5.1	100	71	0.71	38	Faint Colors	54	0.009	0.500															
1024723	2012-09-17 15:0		13 S	RAINBOW		S	3	6	100	8	0.16	9		56	0.018	1.000															
1024780	2012-09-18 8:45		14 W	RAINBOW		ESE	4	2	600	167	3.42	179		52	0.019	1.000															
1024898	2012-09-19 10:0		14 NNE	BARELY DISCERNIBLE			2	1.7	150	36	0.91	4		4	0.024	0.100															
1025134	2012-09-21 8:45		12 E	BARELY DISCERNIBLE		E	3	2.5	1200	418	7.13	45		6	0.016	0.100															
1025312	2012-09-23 8:50			BARELY DISCERNIBLE			3	2.7	400	151	2.52	16		6	0.016	0.100															
1025393	2012-09-24 9:15		11 ENE	RAINBOW	SHEEN WAS 55% BARLEY VISIBLE, 20% SILVERY, 10% SLIGHTLY COLORED AND 15% RAINBOW		3	7.7	500	537	14.01	169		12	0.024	0.295															
1025512	2012-09-25 8:45			SILVERY				4.8	200	134	2	29		14	0.014	0.200															
1025620	2012-09-26 8:45			SILVERY			0	2	150	42	0.29	9		31	0.006	0.200															
1025719	2012-09-27 9:05		8 S	SHEEN WAS 35% BARLEY VISIBLE, 60% SILVERY AND 5% SLIGHTLY COLORED.			3	5.1	500	356	4.24	68		16	0.011	0.180															
1025829	2012-09-28 9:15			BARELY DISCERNIBLE				5.5	100	77	1.89	15	Silvery 0.2	10	0.021	0.200															
1025937	2012-09-29 9:30			BARELY DISCERNIBLE		NNE	2				2.14	21.4 x10		10																	
1026027	2012-09-30 13:4			SILVERY		NE	5	1.5	50	10	0.05	2		45	0.004	0.200															
1026086	2012-10-01 8:45			SILVERY				2.5	50	17	0.1	4		37	0.005	0.200															
1026191	2012-10-02 8:25		13 N	BARELY DISCERNIBLE	10% SILVERY		3	3.2	200	89	0.83	10	90% Barley Discernible	13	0.009	0.110															
1026309	2012-10-03 8:15		10 SSE	BARELY DISCERNIBLE			3	4.2	200	117	3.96	13		4	0.027	0.100															
1026451	2012-10-04 8:45		13	BARELY DISCERNIBLE			4	2	400	112	2.24	12	NONE, Assume BD 0.1	5	0.019	0.100															
See OWOC Web Article	20121005		10 NE	BARELY DISCERNIBLE	From OWOC Fit Log and GPS Tracks: "0410_1137 CDT: N28 55 971 W88 58 020 Southwest end of Taylor Energy slick, tracked @ NE (80°), approx 1 nm SW-NE, ~400m (0.2 nm) SE-NW", then flew along southern edge SW about 1 nm 70% Silvery, 30% BD.					0.2	0		70% S, 30% BD				170	31	0.170	2.6	13.8										
See OWOC Web Article	20121006			BARELY DISCERNIBLE	Similar to yesterday, expansive slick - Found lines of rainbow and some heavy rainbow/emulsion in it. See photos.			4	1.0	0	0		10% Rainbow, 50% Silvery, 40% BD.				3,390	870	0.240	17.4	87.9										
1026621	2012-10-06 9:00			BARELY DISCERNIBLE	CRUDE OIL		3	4.2	800	469	9.9	50		5	0.020	0.100															
1026687	2012-10-07 9:00		14 NE	BARELY DISCERNIBLE	SHEEN WAS 80% BARLEY VISIBLE, 10% SILVERY, 5% RAINBOW AND 5% SLIGHTLY COLORED.		4	1.1	1500	230	1.89	43		23	0.008	0.175															
1026727	2012-10-05 9:00			BARELY DISCERNIBLE	SHEEN COLOR: "50% BARELY DISCERNIBLE, 15% SILVERY, 10% SLIGHTLY COLORED AND 25% BRIGHTLY COLORED".		4	3.2	1000	446	12.16	181		15	0.025	0.380															
1026738	2012-10-08 10:0		13 NE	BARELY DISCERNIBLE	//DAILY TAYLOR ENERGY REPORT//		4	1.4	2000	391	3.6	42		12	0.009	0.100															
1026814	2012-10-09 8:45			BARELY DISCERNIBLE	SHEEN COLOR: "20% BARELY DISCERNIBLE, 10% SILVERY, 20% SLIGHTLY COLORED, 10% BRIGHTLY COLORED"		3	4.5	500	314	5.99	107		18	0.018	0.320															
1026915	2012-10-10 8:35		12 E	SILVERY			3	3.1	100	43	0.26	9		36	0.006	0.200															
1027019	2012-10-11 9:45		12 NNE	SILVERY		NNE	3	2.7	500	188	1.22	40		33	0.006	0.200															
1027141	2012-10-12 10:0		9 SE	SILVERY	//DAILY TAYLOR ENERGY REPORT///		3	4.9	500	342	8.4	73		9	0.023	0.200															
1027222	2012-10-13 13:3			SILVERY	CRUDE OIL	N	3	3.6	200	100	1.5	21		14	0.014	0.200															
1027273	2012-10-14 9:30		7 S	BARELY DISCERNIBLE	SHEEN COLOR: "20% BARELY DISCERNIBLE, 70% SILVERY, 5% SLIGHTLY COLORED."		NE	4	2.3	100	32	0.3	7	22	0.009	0.190															
1027341	2012-10-15 9:00			BARELY DISCERNIBLE	SHEEN COLOR: "25% BARELY DISCERNIBLE, 40% SILVERY, 10% SLIGHTLY COLORED, 25% BRIGHTLY COLORED."			5.5	200	153	6.9	66		10	0.042	0.405															

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OWOC Flight Observations of MC20 are published at OnWingsOfCare.org. 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 2012, are available at OnWingsOfCare.org.

SEQNOS	INCIDENT DATE TIME	WIND SPEED	WIND DIRECTION	SHEEN COLOR	SHEEN 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"		
1027439	2012-10-16 8:45	14	ESE	BARELY DISCERNIBLE	SHEEN: 60% BARLEY VISIBLE, 30% SILVERY AND 10% SLIGHTLY COLORED.		3	2.7	600	226	3.6	41		11	0.015	0.170															
1027565	2012-10-17 8:15			BARELY DISCERNIBLE			3	3.2	300	134	3.13	14		5	0.022	0.100															
1027637	2012-10-17 17:2	12	SW		CALLER REPORTED A SHEEN FROM A PLATFORM DUE TO DAMAGE FROM HURRICANE IVAN.		2	5	200	139	5.13	15	Barely Discernible 0.1	3	0.034	0.100															
1027690	2012-10-18 8:30			BARELY DISCERNIBLE	DAILY TAYLOR ENERGY REPORT.		3	3.3	400	184	2	20		10	0.010	0.100															
1027794	2012-10-19 9:00			BARELY DISCERNIBLE	CRUDE OIL		3	3.4	600	285	7.81	30		4	0.026	0.100															
1027872	2012-10-20 8:45		NNE	RAINBOW		NE	2	1.7	300	71	1.27	76		60	0.017	1.000															
1027922	2012-10-21 8:00			BARELY DISCERNIBLE	20% SILVERY, 10% BRIGHTLY COLORED		3	4	400	223	4.18	50		12	0.018	0.210															
1028000	2012-10-22 9:15			BARELY DISCERNIBLE	DAILY TAYLOR ENERGY REPORT.		4	2.70	800	301	5.14	32		8	0.016	0.100															
1028100	2012-10-23 9:30		NNW	RAINBOW			3	1.8	400	100	0.65	107		165	0.006	1.000															
1028201	2012-10-24 9:25	12	SE		CALLER IS REPORTING A RELEASE OF CRUDE OIL FROM A DOWNED PLATFORM CAUSED BY HURRICANE IVAN. THIS WAS DISCOVERED DURING OVERFLIGHT.		4				0.46	4.6 x10		10																	
1028309	2012-10-25 9:55			OTHER			4	3.5	100	49	0.16	10	Silvery 0.2	65	0.003	0.200															
1028413	2012-10-26 10:5	10	NE	BARELY DISCERNIBLE		NW	4	3	100	42	0.19	4		24	0.004	0.100															
1028787	2012-10-30 9:15			Faint Colors				1.9	300	80	0.54	42		79	0.006	0.500															
1028956	2012-10-31 10:0	9	NNW				3	3.9	400	218	3.49	47	Silvery 0.2	13	0.015	0.200															
1029374	2012-11-02 14:5			BARELY DISCERNIBLE			2	3.7	400	206	4.04	22		5	0.018	0.100															
1029465	2012-11-03 9:30			BARELY DISCERNIBLE			2	2.9	300	121	2.74	13		5	0.021	0.100															
1029574	2012-11-04 9:40			OTHER			4	4.9	900	615	21.89	66	Barely Discernible 0.1	3	0.033	0.100															
1029675	2012-11-05 8:30	8	ENE	BARELY DISCERNIBLE			3	4.21	600	352	10.13	38		4	0.027	0.100															
1029830	2012-11-06 10:2	8	N	SILVERY			3	1	450	63	0.16	13		84	0.002	0.200															
1029920	2012-11-07 10:0	16	N	BARELY DISCERNIBLE		E	4	2	600	167	1.47	18		12	0.008	0.100															
See OWOC Web Article	20121109				From OWOC Fit log and GPS tracks: "N410, N28 55.971 W88 58.020 south-southwest end of Taylor Energy slick. Followed it in 030° magnetic direction (northward) for about 8.3 nm, average width 100-400 meters. Lines of rainbow/metallic, and some emulsion. Estimate 15% rainbow, 25% Silvery, 60% barely discernible.			9	0.2		0		16% R, 25% S, 60% BD				1,526	424	0.260	6.2	1317										
1030143	2012-11-09 8:45	8	E	SILVERY		E	3	4.6	500	321	3.22	69	S	21	0.009	0.200															
See OWOC Web Article	20121110				From OWOC Fit log and GPS tracks: "we showed our colleagues the infamous chronic Taylor Energy slick. Despite the very poor lighting, the enormous expanse of this oil slick was still obvious, and our belly cameras saw plenty of the telltale rainbow lines and patches of oil. We have a youtube video below to show you an example of what our belly cameras saw while flying over the Taylor Energy slick." Linear today, about 100 meters wide, at least 3 nm long. 10% Metallic/dark rainbow, 20% faint colored, 50% Silvery, 20% BD.			3	300		0			10% R, 50% S, 40% BD, 10% Metallic/dark rainbow, 20% faint colored, 50% Silvery, 20% BD.				126	56	0.420	2.1	322									
1030217	2012-11-10 8:50	15	S	SILVERY			4	3	300	126	1.75	27	S	15	0.013	0.200															
1030294	2012-11-11 9:10	21	S	SHEEN COLOR: 30% BARELY VISIBLE AND 70% SILVERY				0.6	200	17	0.04	3		76	0.002	0.170															
1030599	2012-11-14 8:30	10	NNE				3	2.9	1200	485	6.28	104	Silvery 0.2	17	0.012	0.200															
1030823	2012-11-16 10:3			Faint Colors				7.6	1000	223	2.57	119		46	0.011	0.500															
1030905	2012-11-17 10:1	16	E	BARELY DISCERNIBLE		SW	4	1.5	500	105	0.53	11		21	0.005	0.100															
1030975	2012-11-18 10:0			SHEEN COLOR: 30% SILVERY, 18% SLIGHTLY COLORED, 50% BRIGHTLY COLORED AND 2% DULL			3	1.5	300	63	1.25	48		38	0.019	0.710															
1031036	2012-11-19 8:10	11	ESE	BARELY DISCERNIBLE	30% SILVERY, 10% SLIGHT COLOR	WSW	3	2.1	800	234	2.56	43		17	0.010	0.170															
1031191	2012-11-20 9:45	8	NE	SILVERY	25% BARELY VISIBLE, 2% SLIGHT COLOR		2	3.3	100	46	0.52	12		22	0.011	0.235															
1031394	2012-11-23 9:15			SILVERY			0	4.2	600	352	5.85	75		13	0.016	0.200															
1031465	2012-11-25 9:30			SILVERY			0	1.1	600	92	0.73	20		27	0.007	0.200															
1031516	2012-11-26 8:30	11	S	SILVERY	DAILY NOTIFICATION.		2	1.4	800	156	2.04	33		16	0.012	0.200															
1031672	2012-11-27 12:3			OTHER			4	2	200	56	1.14	12	Silvery 0.2	10	0.019	0.200															
1031789	2012-11-28 13:1			BARELY DISCERNIBLE	CRUDE OIL	SW	3	4.2	1200	703	17.25	75		4	0.023	0.100															
1031836	2012-11-29 8:00			SHEEN DESCRIPTION: 40% BARELY VISIBLE, 15% SILVERY, 10% SLIGHTLY COLORED AND 30% BRIGHTLY COLORED				4.1	1100	629	19.82	299		15	0.029	0.445															
1031955	2012-11-30 8:45	8	SE	BARELY DISCERNIBLE		NW	3	2.2	400	123	4.9	13		3	0.037	0.100															
1032007	2012-12-01 9:00			SILVERY	CRUDE OIL	W	3	3.4	800	379	6.99	81		12	0.017	0.200															

2012 NRC Reports & OWOC observations of surface oil sheen at GoM MC20, excerpted and organized by On Wings Of Care, Inc. 2015 © OnWingsOfCare.org

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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"
See OWOC Web Article	20121202				From OWOC Fit log and GPS Tracks: "Taylor Energy (near old GPS point 0410: N28 55.971 W88 58.020), 1438 CST; 0434: N28 55.134 W88 54.383, 1440 CST. Platform, Nycor Energy MC20, eastern end of Taylor Slick." ~3 nm west to east. Scalloped shape, on average 500 ft wide, some rainbow. Overall: 5% rainbow, 50% silvery, 45% BD.			4	0.1		0		5% rainbow, 50% silvery, 45% BD.					339	71	0.195	3.5	20.4							
1032078	2012-12-02 9:00	10	SSE	BARELY DISCERNIBLE	SHEEN WAS 60% BARELY VISIBLE.		2	1.5	900	188	3.46	20	BD	6	0.017	0.100													
1032166	2012-12-03 8:30	15	SE	BARELY DISCERNIBLE			2	1.5	500	105	2.14	11		5	0.019	0.100													
1032275	2012-12-04 10:00	12	SE	BARELY DISCERNIBLE				4.9	200	137	0.34	15		43	0.002	0.100													
1032413	2012-12-05 14:00	12		SILVERY		W		2.2	300	92	1.06	20		19	0.011	0.200													
1032506	2012-12-06 10:11			BARELY DISCERNIBLE			4	4	600	33	0.07	4		51	0.002	0.100													
1032623	2012-12-07 11:11	8	NW	SILVERY		W	3	5	500	349	12.63	75		6	0.034	0.200													
1032696	2012-12-08 11:11			SILVERY	CRUDE OIL		0	3.7	200	103	3.92	22		6	0.036	0.200													
1032761	2012-12-09 10:22	8	SSE	SILVERY	SHEEN INFO: 30% BARELY VISIBLE, 1% DULL, 69% SILVERY.		3	3.7	400	206	2.06	91		44	0.009	0.413													
1032826	2012-12-10 8:00	13	SW		OTHER SHEEN DESCRIPTION: 20% BARELY VISIBLE, 65% SLIGHTLY COLORED, 14% SILVERY 1% DULL.	NE	4	1.5	200	42	0.34	18		53	0.008	0.403													
1032917	2012-12-11 8:25	13	NE		SHEEN COLOR: 10% BARELY VISIBLE, 10% SILVERY, 10% SLIGHTLY COLORED AND 70% RAINBOW		4	1	1000	139	5.99	116		19	0.040	0.780													
1033013	2012-12-12 8:50	15	ENE	RAINBOW			4	1.1	600	92	5.1	98		19	0.052	1.000													
1033115	2012-12-13 8:30	15	SE	BARELY DISCERNIBLE			3	1.8	500	126	2.15	13		6	0.016	0.100													
1033240	2012-12-14 9:00			BARELY DISCERNIBLE	CRUDE OIL		4	1.8	2000	502	8.98	54		6	0.017	0.100													
1033335	2012-12-15 8:50	10	SW	RAINBOW		NE	3	3.6	800	402	14.24	429		30	0.033	1.000													
1033387	2012-12-16 9:00	15	SW		SHEEN COLOR: 20% BARELY VISIBLE, 30% SLIGHTLY COLORED, 30% SILVERY, 20% RAINBOW.		3	3.4	300	142	5.23	65		13	0.034	0.430													
1033590	2012-12-18 8:50				SHEEN COLOR: "30% BRIGHTLY COLORED, 50% SILVERY AND 1% DULL."			3.7	200	103	0.69	38		55	0.006	0.346													
1033734	2012-12-19 10:00	12	SSE	BARELY DISCERNIBLE		NE	3	3.3	400	184	0.82	20		24	0.004	0.100													
1033945	2012-12-21 11:11			BARELY DISCERNIBLE				7	100	10	0.01	1		104	0.001	0.100													
1033994	2012-12-22 10:30	12	E	SILVERY	CRUDE OIL	NNE	3	1.9	500	133	0.45	28		63	0.003	0.200													
1034053	2012-12-23 10:30	4	SSE				2	9.6	600	803	34.01	172	Silvery 0.2	5	0.040	0.200													
1034108	2012-12-24 10:00	15	SW		SHEEN COLOR: "60% BARELY DISCERNIBLE, 35% SILVERY AND 5% SLIGHTLY COLORED."		5	1.6	300	67	0.62	11		21	0.007	0.155													
1034200	2012-12-26 13:30			SILVERY		ESE	4	1.3	500	91	0.84	19		23	0.009	0.200													
1034251	2012-12-27 8:45			BARELY DISCERNIBLE	DAILY REPORT		4	4	400	223	6.49	24		4	0.027	0.100													
1034352	2012-12-28 9:00	20	SE	SILVERY			4	1.5	300	63	0.73	13		18	0.011	0.200													
1034435	2012-12-29 14:00	19	N	BARELY DISCERNIBLE			4	1.3	300	54	1.81	6		3	0.031	0.100													
1034460	2012-12-30 9:15	11	NE	SILVERY	SHEEN COLOR: "90% SILVERY AND 10% BARELY DISCERNIBLE."		4	300	200	1	0.03	0		10	0.020	0.200													
1034524	2012-12-31 9:50				SHEEN COLOR: "BRIGHTLY COLORED."		3	3.7	400	206	5.2	221		42	0.024	1.000													
2012 TOTALS for (319) Taylor NRC Reports											2,184	23,237	11																
2012 Average Daily for (319) Taylor Reports:											301	6.8	72		0.030	0.249													
2012 MEDIAN for (319) Taylor Reports:											172	2.5	33		12	0.015	0.200												
2012 Average Daily for (0) NOAA satellite NRC Reports:																													
2012 MEDIAN for (0) NOAA satellite NRC Reports:																													
2012 Average Daily for (8) Other NRC Reports (including 1 OWOC):											1,758	0	255			2.275									1,758	255	2.275		
2012 MEDIAN for (8) Other NRC Reports (including 1 OWOC):											55	65	65			0.800								55	65	0.800			
2012 Average Daily for (11) OWOC Observations											1,077	267			0.257														
2012 MEDIAN for (11) OWOC Observations											558	114			0.240														
2012 TOTALS and Yearly Ratios for (11) 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.											66.9	647	9.7		2,939	4.5	43.9												
2012 Daily AVERAGES FOR (11) 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.											362	6.1	59	14	0.013	0.137	1,077	267	0.257	5.7	83.7								
2012 MEDIAN FOR (11) OWOC OBSERVATIONS and same-day Taylor NRC Reports:											188	3.2	27	15	0.013	0.100	558	114	0.240	3.5	32.2								