

LEGEND for 2004–2015Q1 NRC Reports & OWOC observations of surface oil sheen at GoM MC20,
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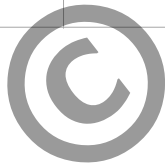
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OWOC Flight Observations of MC20 are published at OnWingsOfCare.org.
 See those articles for photos, videos, GPS flight tracks, and flight logs for these and other of OWOC aerial observations of the Gulf of Mexico, since late April 2010.

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>																		



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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>



2009 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-Estimate d 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"		
895576	2009-01-22 14:45			BARELY DISCERNIBLE	THE CALLER INTENDS TO NOTIFY USCG.	NNE		2.7	0.06	137	25	29		1	0.17033	0.20												
896184	2009-01-29 16:30			BARELY DISCERNIBLE	CALLER INTENDS TO NOTIFY THE USCG.	N		1.21	5	513	4	55		14	0.00730	0.10												
896270	2009-01-30 16:30			BARELY DISCERNIBLE	CALLER INTENDS TO NOTIFY THE USCG.	W		1.9	.6	966	6	103		17	0.00581	0.10												
896460	2009-02-02 16:00	16	NNW	BARELY DISCERNIBLE	#####WEB REPORT#####	SSE	3	1.23	5	521	6	56		9	0.01077	0.10												
896627	2009-02-04 16:15	20	NNE	BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION WAS PROVIDED.		3	1.5	125	159	0.5	17		36	0.00281	0.10												
896647	2009-02-05 7:45	10	NNE	BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		3	2.3	5	975	3	104		35	0.00288	0.10												
896804	2009-02-06 16:45			BARELY DISCERNIBLE	THE CALLER INTENDS TO NOTIFY USCG SECTOR NEW ORLEANS.	NNW		1.7	25	360	2	39		19	0.00519	0.10												
897031	2009-02-09 16:39	16	SE	BARELY DISCERNIBLE	PLEASE INCLUDE THE NAME OF THE PERSON PROCESSING THE REPORT ON THE RETURN EMAIL THANKS. #####WEB REPORT#####	NW	4	1.29	5	547	4	58		15	0.00685	0.10												
897169	2009-02-11 7:25			BARELY DISCERNIBLE	CALLER DID NOT HAVE ANY ADDITIONAL INFORMATION.		5	.7	1	59	0.18	6		35	0.00289	0.10												
897908	2009-02-18 16:15			BARELY DISCERNIBLE	THE CALLER INTENDS TO NOTIFY USCG SECTOR NEW ORLEANS.	S	4	1.4	125	148	1	16		18	0.00631	0.10												
898111	2009-02-21 8:00	5	ENE	BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		3	1.4	25	297	2	32		16	0.00631	0.10												
898491	2009-02-25 16:15	15	SE	BARELY DISCERNIBLE	PLEASE CALL 985-781-0804 OR EMAIL COMMAND.CENTE R@THEOBRIENSG ROUP.COM WITH THE NAME OF THE PERSON COMPLETING THE REPORT. THANKS.	NW	3	4	7	2,373	18	254		14	0.00710	0.10												
898589	2009-02-26 16:00			BARELY DISCERNIBLE	CALLER INTENDS TO NOTIFY USCG SECTOR NEW ORLEANS.	NNW	5	.7	1	59	0.09625	6		66	0.00152	0.10												
898720	2009-02-28 7:40			BARELY DISCERNIBLE	CALLER WILL NOTIFY THE USCG.			1	5	424	1.25	45		36	0.00276	0.10												
898980	2009-03-03 16:30	15	NNE	BARELY DISCERNIBLE	CALLER WILL NOTIFY THE UNITED STATES COAST GUARD.	NW	4	1.2	1.25	1,271	1	136		136	0.00074	0.10												
899005	2009-03-04 7:30	6	ESE	BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.	SSW	3	1.3	25	275	1	29		29	0.00340	0.10												
899066	2009-03-04 16:15	14	SE	BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION.	NW	2	1.3	.0625	69	0.207	7		36	0.00281	0.10												
899334	2009-03-07 16:30			BARELY DISCERNIBLE	CALLER INTENDS TO NOTIFY USCG.	NW	5	1.5	5	636	1	68		68	0.00147	0.10												
899697	2009-03-11 17:10	10	E	BARELY DISCERNIBLE	CALLER WILL NOTIFY THE USCG.	W	2	1.78	5	746	12	80		7	0.01505	0.10												
899801	2009-03-12 17:05	10	NE	BARELY DISCERNIBLE	CALLER WILL NOTIFY THE UNITED STATES COAST GUARD (USCG).	NW	2	.56	5	237	6	25		4	0.02365	0.10												
899801	2009-03-13 17:20	14	SSE	BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION PROVIDED.	NNW	3	3.61	5	1,530	29	164		6	0.01773	0.10												
899917	2009-03-14 8:30			BARELY DISCERNIBLE	OTHER CALLER STATED THAT THE SHEEN WAS 60% BARELY VISIBLE, 10% SILVERY, 20% SLIGHTLY COLORED AND 10% BRIGHTLY COLORED.			2.78	28	11	26	3		0	2.24008	0.28												
899994	2009-03-15 13:00			BARELY DISCERNIBLE	CALLER WILL NOTIFY MSO SECTOR NEW ORLEANS. WIND SPEED: "CALM".		0	2	500	139	1	15		15	0.00671	0.10												
900101	2009-03-16 16:00	11	ESE	BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION PROVIDED.	SW	3	1.3	1	110	0.06565	12		179	0.00056	0.10												
900234	2009-03-17 17:00	9	NE	BARELY DISCERNIBLE	CALLER WILL NOTIFY USCG SECTOR NEW ORLEANS.	SW	3	6.7	5	2,839	17	304		18	0.00580	0.10												

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900333	2009-03-18 17:15	6	E	BARELY DISCERNIBLE	CALLER WILL NOTIFY THE UNITED STATES COAST GUARD (USCG). CALLER DESCRIBED THE SHEEN COLOR AS 90% BARELY DISCERNIBLE AND 10% SILVERY.		3	3.9	4	1,322	13	155		12	0.00920	0.11												
900384	2009-03-19 9:00			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		3	5	3	1,271	12	136		11	0.00883	0.10												
900453	2009-03-19 17:00			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.	W		5.6	6	2,848	40	304		8	0.01314	0.10												
900540	2009-03-20 17:20	6	N	BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION PROVIDED.	WSW	3	2.2	500	153	0.26563	16		62	0.00162	0.10												
900559	2009-03-21 8:00			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		3	1.1	1000	153	0.281	16		58	0.00171	0.10												
900595	2009-03-21 17:00			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		4	1.5	1000	209	0.373	22		60	0.00167	0.10												
900627	2009-03-22 8:00	10	N	BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		3	2.2	25	466	0.76	50		66	0.00193	0.10												
900649	2009-03-22 17:00	12		BARELY DISCERNIBLE	CALLER WILL NOTIFY THE USCG SECTOR NEW ORLEANS.		5	1.1	25	233	0.79	25		32	0.00317	0.10												
900931	2009-03-25 16:50	12		BARELY DISCERNIBLE	CALLER WILL NOTIFY THE UNITED STATES COAST GUARD (USCG).		4	.97	5	411	2	44		22	0.00456	0.10												
901239	2009-03-29 8:10			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		3	.88	5	373	0.0393	40		1,014	0.00010	0.10												
901575	2009-04-01 17:05	8	SE	BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION.	NW	3	2.75	.5	1,165	5.67188	125		22	0.00455	0.10												
901686	2009-04-02 17:15	25	SW	BARELY DISCERNIBLE	CALLER WILL NOTIFY M50 NEW ORLEANS.	NE	4	1.2	1	102	0.31	11		35	0.00285	0.10												
901718	2009-04-03 7:40	6	WNW	SILVERY	CALLER IS REPORTING 95% BARELY VISIBLE, 5% COVERAGE IS SILVERY.	S	2	3	25	636	1	71		71	0.00147	0.11												
901778	2009-04-03 17:05	5	N	BARELY DISCERNIBLE	PLEASE CALL 985-781-0804 OR EMAIL COMMAND.CENTE R@THEOBRIENSGROUP.COM WITH THE NAME OF THE PERSON COMPLETING THE REPORT. THANKS.	SE	2	1.4	1	119	0.1769	13		72	0.00139	0.10												
901843	2009-04-04 17:05			BARELY DISCERNIBLE	THE CALLER INTENDS TO NOTIFY USCG.	NNW	2	2	5	848	1	91		91	0.00110	0.10												
902092	2009-04-07 17:00	11		BARELY DISCERNIBLE	CALLER WILL NOTIFY THE UNITED STATES COAST GUARD (USCG).		4	.5	.86	364	0.02	39		1,948	0.00005	0.10												
902116	2009-04-08 7:45	4	WSW	SILVERY	SHEEN IS 30% BARELY VISIBLE, 65% SILVERY.	NW	0	1.57	.5	665	22	121		5	0.03093	0.17												
902202	2009-04-08 17:00	14	SW	BARELY DISCERNIBLE	CALLER INTENDS TO NOTIFY USCG SECTOR NEW ORLEANS.	NNE	3	3.4	125	360	1.6	39		24	0.00416	0.10												
902333	2009-04-10 8:10	6	SSE	BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		3	1.8	5	763	0	82				0.10												
902390	2009-04-10 17:00	16	SSW	BARELY DISCERNIBLE	PLEASE EMAIL COMMAND.CENTE R@THEOBRIENSGROUP.COM OR CALL 985-781-0804 WITH THE NAME OF THE PERSON COMPLETING THE REPORT.		3	1.7	125	180	0.53125	19		36	0.00276	0.10												
902491	2009-04-12 16:00			BARELY DISCERNIBLE	CALLER WILL NOTIFY THE UNITED STATES COAST GUARD (USCG).		4	.5	.5	212	1	23		23	0.00442	0.10												
902700	2009-04-14 17:00			BARELY DISCERNIBLE	CALLER WILL NOTIFY SECTOR NEW ORLEANS.		3	.4	.06	20	0.0007	2		3,106	0.00003	0.10												

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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: LENGHT H' (NM or FT)	SHEEN SIZE: WIDTH (NM or FT)	Reported Sheen Area (acres)	Reported Amt of Material (Gal) "RAM"	BAOAC- Estimate d 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-Correcte d 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"			
902801	2009-04-15 17:15			BARELY DISCERNIBLE	THE CALLER HAD NO ADDITIONAL INFORMATION.	WSW	3	3	8	2,034	0.43	217		506	0.00020	0.10													
902914	2009-04-16 19:00	12		BARELY DISCERNIBLE	CALLER WILL NOTIFY SECTOR NEW ORLEANS.		4	10560	528	128	0.101	14		135	0.00074	0.10													
903024	2009-04-17 17:20	17	ESE	BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		5	.7	.1	59	0.0004	6		15,855	0.00001	0.10													
903501	2009-04-22 17:00	7	SW	BARELY DISCERNIBLE	CALLER INTENDS TO NOTIFY USCG SECTOR NEW ORLEANS.		3	10560	660	160	0.625	17		27	0.00365	0.10													
903655	2009-04-24 9:05	13	SE	BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		4	1.32	5	559	3	60		20	0.00502	0.10													
903713	2009-04-24 17:00	11	ESE	BARELY DISCERNIBLE	PLEASE EMAIL: COMMAND.CENTE R@THEOBRIENSGROUP.COM OR CALL 985-781-0804 WITH THE NAME OF THE PERSON COMPLETING THE REPORT. THANKS.		3	1.4	125	148	0.45938	16		35	0.00290	0.10													
903784	2009-04-25 16:50	13	SSW	BARELY DISCERNIBLE	CALLER INTENDS TO NOTIFY USCG SECTOR NEW ORLEANS.		4	6811	2640	413	4.23269	44		10	0.00959	0.10													
903842	2009-04-26 16:30	17		BARELY DISCERNIBLE	CALLER WILL NOTIFY SECTOR NEW ORLEANS.		4	4224	2640	256	1.05	27		26	0.00384	0.10													
903947	2009-04-27 17:30	14	ESE	BARELY DISCERNIBLE	CALLER WILL NOTIFY SECTOR NEW ORLEANS.	ENE	4	.1	7	59	1	6		6	0.01577	0.10													
904056	2009-04-28 17:15	5		BARELY DISCERNIBLE	CALLER WILL NOTIFY SECTOR NEW ORLEANS.		3	2.5	1.2	2,543	13.05	272		21	0.00480	0.10													
904096	2009-04-29 7:30			BARELY DISCERNIBLE	CALLER HAS NO ADDITIONAL INFORMATION TO REPORT.		2	11088	500	127	0.26101	14		52	0.00192	0.10													
904161	2009-04-29 17:15	10	ESE	BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.	NW		1.9	.1	161	0.048	17		59	0.00028	0.10													
904456	2009-05-03 7:00			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		2	9240	2000	424	0.61	45		74	0.00135	0.10													
904480	2009-05-03 17:00			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		2	3	500	209	0.746	22		30	0.00334	0.10													
904601	2009-05-04 17:10		WNW	BARELY DISCERNIBLE	CALLER PLANS ON CALLING SECTOR NEW ORLEANS.	NE	2	8448	528	102	0.0404	11		271	0.00037	0.10													
904633	2009-05-05 8:00			BARELY DISCERNIBLE	CALLER HAS NO ADDITIONAL INFORMATION TO REPORT.			1.2	.5	500	6	54		9	0.01104	0.10													
905146	2009-05-09 17:45			BARELY DISCERNIBLE	NIGHTLY TAYLOR ENERGY UPDATE.	S	3	2.3	.5	975	3	104		35	0.00288	0.10													
905163	2009-05-10 7:15			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		2	2.3	.5	975	0.0685	104		1,521	0.00007	0.10													
905203	2009-05-10 17:20			BARELY DISCERNIBLE	CALLER HAS NO ADDITIONAL INFORMATION TO REPORT.	NE	2	1.37	.5	581	0.01631	62		3,805	0.00003	0.10													
905309	2009-05-11 17:20	9	SW	BARELY DISCERNIBLE	CALLER HAS NO ADDITIONAL INFORMATION TO REPORT.	NE	2	.7	.1	59	0.0028	6		2,265	0.00004	0.10													
905432	2009-05-12 17:00			BARELY DISCERNIBLE	CALLER WILL NOTIFY SECTOR NEW ORLEANS.	NE	2	1.8	.1	153	0.5	16		33	0.00307	0.10													
905530	2009-05-13 17:15	13	E	BARELY DISCERNIBLE	CALLER WILL NOTIFY USCG.		3	3.5	.3	890	4.02	95		24	0.00423	0.10													
905688	2009-05-15 7:40			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		2	15312	1000	352	7.33	38		5	0.01951	0.10													
905871	2009-05-17 7:45			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		2	11880	500	136	0.767	29		38	0.00526	0.20													
905927	2009-05-18 7:35			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		3	2.8	500	195	1.34	21		16	0.00642	0.10													
905980	2009-05-18 17:15	16	N	BARELY DISCERNIBLE	CALLER HAS NO ADDITIONAL INFORMATION TO REPORT.		2	2.8	1000	391	0.72917	42		57	0.00175	0.10													
906134	2009-05-20 8:00			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.			2.11	.5	894	7	96		14	0.00732	0.10													



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906210	2009-05-20 17:10	12	NE	BARELY DISCERNIBLE	CALLER WILL NOTIFY SECTOR NEW ORLEANS.		3	2.89	70	28	0.12	3		25	0.00398	0.10											
906243	2009-05-21 8:00	19	NE	BARELY DISCERNIBLE	CALLER HAS NO ADDITIONAL INFORMATION TO REPORT	SW	5	1.3	5	551	2.58	59		23	0.00438	0.10											
906316	2009-05-22 8:00			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		5	.94	5	398	7	43		6	0.01644	0.10											
906423	2009-05-23 8:00	15	NNW	FAINT COLORS	CALLER HAD NO ADDITIONAL INFORMATION.	SW	3	3.82	.5	1,619	51	865		17	0.02947	0.50											
906469	2009-05-23 17:00	13	W	SILVERY	CALLER HAS NO ADDITIONAL INFORMATION TO REPORT.	S	3	2.42	.5	1,025	25.14	219		9	0.02293	0.20											
906503	2009-05-24 8:05			BARELY DISCERNIBLE	CALLER WILL NOTIFY SECTOR NEW ORLEANS.		2	1.76	.5	746	19.3	80		4	0.02421	0.10											
906550	2009-05-24 16:25	14	SW	BARELY DISCERNIBLE	CALLER WILL NOTIFY SECTOR NEW ORLEANS.	E	2	3.46	1.5	4,399	36	470		13	0.00766	0.10											
906616	2009-05-25 17:00			BARELY DISCERNIBLE	CALLER WILL NOTIFY SECTOR NEW ORLEANS.		3	1.8	1.6	2,441	1	261		261	0.00038	0.10											
906870	2009-05-28 7:40			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.	E	0	1.5	2000	418	6.4	45		7	0.01431	0.10											
906939	2009-05-28 17:05			BARELY DISCERNIBLE	CALLER WILL NOTIFY THE UNITED STATES COAST GUARD (USCG).		2	2.3	21	409	0.06	44		729	0.00014	0.10											
906965	2009-05-29 7:30			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		3	1.7	25	380	2	39		19	0.00519	0.10											
907188	2009-05-31 17:00			BARELY DISCERNIBLE	CALLER HAS NO ADDITIONAL INFORMATION TO REPORT.	W	0	3.7	3000	1,548	20.49	166		8	0.01238	0.10											
907281	2009-06-01 17:15			BARELY DISCERNIBLE	CALLER IS MAKING ALL REQUIRED NOTIFICATION	W	2	19483	75	34	0.01221	4		394	0.00034	0.10											
907325	2009-06-02 8:50	9		BARELY DISCERNIBLE	SILVERY AND RAINBOW AS WELL		2	3.4	.5	1,441	41	462	20% Silvery, 20% Rainbow, 60% Barely Discernible	11	0.02662	0.30											
907401	2009-06-02 17:50	5	SW	BARELY DISCERNIBLE	CALLER WILL NOTIFY SECTOR NEW ORLEANS.		2	2.93	.5	1,242	23.6	139		4	0.02230	0.10											
907634	2009-06-04 17:10	17	W	BARELY DISCERNIBLE	CALLER WILL NOTIFY SECTOR NEW ORLEANS.	ENE	2	2.9	120	49	0.77	5		7	0.01484	0.10											
907729	2009-06-05 17:05			BARELY DISCERNIBLE	CALLER HAS NO ADDITIONAL INFORMATION TO REPORT.	SE	1	2.75	.05	117	1.7	12		7	0.01365	0.10											
908103	2009-06-09 17:10	6		BARELY DISCERNIBLE	CALLER WILL NOTIFY SECTOR NEW ORLEANS.		0	2.6	1	220	0.32825	24		72	0.00139	0.10											
908129	2009-06-10 8:30			BARELY DISCERNIBLE	THE CALLER INTENDS TO NOTIFY US COAST GUARD NEW ORLEANS.	E		4.6	2	7,628	90	815		9	0.01104	0.10											
908449	2009-06-13 7:30	5	SSW	BARELY DISCERNIBLE	CALLER INTENDS TO NOTIFY USCG SECTOR NEW ORLEANS.	NE	7		2500	2,441	22	261		12	0.00843	0.10											
908554	2009-06-14 17:05	3		BARELY DISCERNIBLE	CALLER WILL NOTIFY THE UNITED STATES COAST GUARD (USCG)		2	3.7	200	103	0.43	11		26	0.00390	0.10											
908662	2009-06-15 17:15			BARELY DISCERNIBLE	CALLER WILL NOTIFY MSU MORGANTHAU.	ENE	2	6.2	200	173	1.18	18		16	0.00638	0.10											
908786	2009-06-16 16:45	7	WSW	BARELY DISCERNIBLE	CALLER WILL NOTIFY SECTOR NEW ORLEANS.	ENE	0	2.2	.5	932	5.995	100		17	0.00602	0.10											
908909	2009-06-17 17:10			BARELY DISCERNIBLE	CALLER DESCRIBED THE SHEEN COLOR AS 80% BARELY DISCERNIBLE, 5% SILVERY AND 8% SLIGHTLY COLORED.		0	3.2	.5	1,356	5	181		36	0.00345	0.13											
909157	2009-06-19 17:00			BARELY DISCERNIBLE	CALLER HAS NO ADDITIONAL INFORMATION TO REPORT.	NE	0	3.7	1	3,136	22.2	335		15	0.00662	0.10											



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909404	2009-06-22 17:00	8	W	BARELY DISCERNIBLE	CALLER WILL NOTIFY SECTOR NEW ORLEANS.		3	1.3	5	551	2.5	59		24	0.00425	0.10											
909754	2009-06-25 15:51		SW		CALLER HAS NO ADDITIONAL INFORMATION TO REPORT.						20	400	x20	20													
909768	2009-06-25 17:00			BARELY DISCERNIBLE	CALLER HAS NO ADDITIONAL INFORMATION TO REPORT.					13.730	0.42	1,468		3.495	0.00003	0.10											
909894	2009-06-26 17:15			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.					7	0.002	1		373	0.00027	0.10											
909936	2009-06-27 7:35	12	WSW	BARELY DISCERNIBLE	CALLER INTENDS TO NOTIFY USCG SECTOR NEW ORLEANS.					107	0.0942	11		121	0.00083	0.10											
910038	2009-06-28 17:20	10		BARELY DISCERNIBLE	150% BARELY DISCERNIBLE, 49% SILVERY AND %1 SLIGHTLY COLORED.					133	1.97917	22		11	0.01389	0.15											
910073	2009-06-29 7:35			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.					454	6.5	49		7	0.01339	0.10											
910557	2009-07-03 8:15	11		BARELY DISCERNIBLE	CALLER INTENDS TO NOTIFY USCG SECTOR NEW ORLEANS.					1,095	6.13	117		19	0.00524	0.10											
910597	2009-07-03 16:45	8	W	BARELY DISCERNIBLE	CALLER PLANS ON CALLING USCG.					743	5.86	79		14	0.00738	0.10											
910641	2009-07-04 16:00	12	NW	BARELY DISCERNIBLE	CALLER HAS NO ADDITIONAL INFORMATION TO REPORT.					742	5.28	79		15	0.00669	0.10											
910679	2009-07-05 8:00			BARELY DISCERNIBLE	5% SILVERY					375	1.3	42		32	0.00325	0.11											
911421	2009-07-06 7:50	14		BARELY DISCERNIBLE	SOME SILVERY AREAS					187	0.39137	28	30% Silvery 0.2	66	0.00195	0.13											
910842	2009-07-07 7:55			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.					858	3.3	92		28	0.00360	0.10											
910942	2009-07-08 7:30	7		BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.					196	0.84517	21		25	0.00403	0.10											
911057	2009-07-09 7:40	4	NE	BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.					359	2.78	38		14	0.00725	0.10											
911129	2009-07-09 17:00			BARELY DISCERNIBLE	CALLER HAS NO ADDITIONAL INFORMATION TO REPORT.					288	0.53	31		58	0.00172	0.10											
911170	2009-07-10 7:40			BARELY DISCERNIBLE	CALLER DID NOT HAVE ANY ADDITIONAL INFORMATION.					112	0.23	12		52	0.00193	0.10											
911313	2009-07-11 17:05			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.					209	2.49	22		9	0.01113	0.10											
911335	2009-07-12 7:30			SILVERY	ALSO BARELY VISIBLE AND RAINBOW					488	10.1	196	50% Silvery, 25-25 BD and Rainbow	19	0.01935	0.38											
911389	2009-07-12 17:00	7	S	SILVERY	CALLER HAS NO ADDITIONAL INFORMATION TO REPORT.					2,543	58	544		9	0.02134	0.20											
911535	2009-07-14 8:15	7	WSW	RAINBOW BARELY VISIBLE, 5% SILVERY, 15% BRIGHTLY COLORED.	SHEEN AT 10% COVERAGE. COLOR 70% SILVERY, 15% SLIGHTLY COLORED, 10% BRIGHTLY COLORED.					110	0.819	3		4	0.00699	0.03											
911809	2009-07-16 17:00			BARELY DISCERNIBLE	CALLER WILL NOTIFY THE UNITED STATES COAST GUARD (USCG).					636	2	68		34	0.00294	0.10											
911916	2009-07-17 18:00			BARELY DISCERNIBLE	CALLER HAS NO ADDITIONAL INFORMATION TO REPORT.					128	0.7	14		20	0.00510	0.10											
911978	2009-07-18 16:15	3	W	BARELY DISCERNIBLE	CALLER HAS NO ADDITIONAL INFORMATION TO REPORT.					266	1	28		28	0.00351	0.10											
912125	2009-07-20 8:30			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.					349	2.8	37		13	0.00751	0.10											
912228	2009-07-21 7:40	4	SSE	BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.					412	0.84517	44		52	0.00192	0.10											

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912325	2009-07-22 7:40	8	W	BARELY DISCERNIBLE	CALLER INTENDS TO NOTIFY USCG.			32208	1500	1,109	3.6	119		33	0.00394	0.10												
912499	2009-07-23 7:35	0		BARELY DISCERNIBLE	CALLER INTENDS TO NOTIFY USCG SECTOR NEW ORLEANS.		0	4.5	200	126	0.23	13		58	0.00171	0.10												
912532	2009-07-23 17:00			BARELY DISCERNIBLE	CALLER HAS NO ADDITIONAL INFORMATION TO REPORT.	E	2	5.7	5000	3,975	6.2	425		69	0.00146	0.10												
912586	2009-07-24 7:40			BARELY DISCERNIBLE	CALLER WILL NOTIFY THE COAST GUARD.	ESE		13.1	800	1,462	40.7	156		4	0.02605	0.10												
912656	2009-07-24 17:00			BARELY DISCERNIBLE	CALLER HAS NO ADDITIONAL INFORMATION TO REPORT.	E	2	4.75	200	133	0.31	14		46	0.00219	0.10												
912969	2009-07-25 16:30			SILVERY	CALLER HAD NO ADDITIONAL INFORMATION.		2	5.75	200	160	1	34		34	0.00583	0.20												
912857	2009-07-27 7:30	10	SW	SILVERY	CALLER HAD NO ADDITIONAL INFORMATION.		2	3.75	1000	523	5.73	210	50% Silvery, 25% SD, Rainbow	37	0.01025	0.38												
912936	2009-07-27 16:15				CALLER HAD NO ADDITIONAL INFORMATION.		3	3	25	636	3.375	136	Silvery 0.2	40	0.00497	0.20												
913064	2009-07-28 16:15	15		BARELY DISCERNIBLE	CALLER WILL NOTIFY THE UNITED STATES COAST GUARD (USCG).	ENE	3	6.2	400	346	1.35	37		27	0.00365	0.10												
913126	2009-07-29 9:55	12	S	BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		2	13.3	300	557	2.26	59		26	0.00380	0.10												
913178	2009-07-29 16:00			BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION TO REPORT.	E	3	18.2	150	381	1	41		41	0.00246	0.10												
913256	2009-07-30 10:00	10	S	BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION TO REPORT.	NE	1	7.3	200	204	2.2	22		10	0.01011	0.10												
914120	2009-08-07 9:15			BARELY DISCERNIBLE	10% SILVERY AND 10% RAINBOW		2	36960	100	85	0.41781	18		43	0.00460	0.20												
914267	2009-08-08 9:40	6		OTHER	CALLER HAD NO ADDITIONAL INFORMATION.		3	20529	500	236	1.1966	62	Also add 10% Silvery, 10% Rainbow	43	0.00475	0.21												
914547	2009-08-11 10:05	4		BARELY DISCERNIBLE	ALSO SILVER AND RAINBOW AREAS		1	1.5	100	21	0.124	2	Also add 10% Silvery, 10% Rainbow	18	0.00554	0.10												
914670	2009-08-12 10:05	9	NNW	BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.	S	2	7.2	200	201	1.77	21		12	0.00824	0.10												
915526	2009-08-20 13:30	9	SSE		CALLER HAD NO ADDITIONAL INFORMATION.	NNW	3	5.7	300	239	0.72	25	Barely Discernible 0.1	35	0.00282	0.10												
915709	2009-08-22 15:22	12	NNW	OTHER	CALLER HAD NO ADDITIONAL INFORMATION.		3	25344	300	175	1.3	19	Barely Discernible 0.1	10	0.01018	0.10												
915847	2009-08-24 10:00			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.			35904	300	247	6.375	26		4	0.02412	0.10												
915925	2009-08-25 10:40			SILVERY	CALLER HAD NO ADDITIONAL INFORMATION.	NE	0	11.1	9	8,467	16	1,810		113	0.00177	0.20												
916034	2009-08-26 11:00			BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION TO REPORT.		2	7.9	900	992	7.29	106		15	0.00688	0.10												
916279	2009-08-28 10:00			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION TO PRCIS.		1	5.5	200	153	3	16		5	0.01829	0.10												
916380	2009-08-29 16:00	1	SE	BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION TO REPORT.	S	2	15	1.75	22,247	17	2,378		140	0.00071	0.10												
916656	2009-09-01 10:15	14	NE	RAINBOW	CALLER HAD NO ADDITIONAL INFORMATION.		2	16896	250	97	2.15909	104		48	0.02083	1.00												
916702	2009-09-02 6:50			BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION TO REPORT.	E	2	5.5	600	460	3.5	49		14	0.00711	0.10												
916811	2009-09-03 10:15	12	NE	BARELY DISCERNIBLE	CALLER WILL NOTIFY THE UNITED STATES COAST GUARD (USCG).	SSW	2	3.8	150	80	0.24	8		35	0.00282	0.10												
917290	2009-09-09 9:40	5	S	OTHER	CALLER DESCRIBED THE SHEEN COLOR AS "BRIGHTLY COLORED".	WSW	0	3	400	167	3.2	179		56	0.01788	1.00												



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SEGNOS	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- Estimate d 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"	
917792	2009-09-14 10:45	17	SSW	BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		4	2.5	300	105	0.22	11		51	0.00197	0.10											
917849	2009-09-15 9:40	22	SW	BARELY DISCERNIBLE	CALLER WILL NOTIFY THE UNITED STATES COAST GUARD (USCG).	NE	3	2.6	100	36	0.06	4		65	0.00155	0.10											
918052	2009-09-17 9:46			BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION TO REPORT.	SW		5.3	1.5	6,738	56	720		13	0.00777	0.10											
918144	2009-09-18 9:20	10	S	BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION.	SW	1	5	1000	697	0	75				0.10											
918242	2009-09-19 9:35			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		2	4.8	1	4,068	26	435		17	0.00598	0.10											
918382	2009-09-21 10:38			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		1	7.5	200	209	1	22		22	0.00447	0.10											
918613	2009-09-23 10:15			BARELY DISCERNIBLE	CALLER WILL NOTIFY THE UNITED STATES COAST GUARD (USCG). CALLER DESCRIBED THE SHEEN COLOR AS "70% BARELY DISCERNIBLE, 20% SILVERY AND 10% SLIGHTLY COLORED".		0	7.6	150	159	0.404	17		42	0.00238	0.10											
918867	2009-09-25 10:00	12	E	SILVERY	SECTOR NEW ORLEANS WILL BE NOTIFIED.		2	53860	800	989	0.82102	211		258	0.00078	0.20											
919026	2009-09-27 13:40			RAINBOW	CALLER HAD NO ADDITIONAL INFORMATION.			8.4	300	352	8	376		47	0.02129	1.00											
919088	2009-09-28 9:30	11	WSW	BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.	SSW	2	16.4	500	1,144	38.8	122		3	0.03173	0.10											
919112	2009-09-28 15:45	5	NE	SILVERY	CALLER HAD NO ADDITIONAL INFORMATION.		2	1	5	424	0	99				0.20											
919171	2009-09-29 10:40	16	SW	SILVERY	CALLER HAD NO ADDITIONAL INFORMATION.		3	5.1	100	71	0.25	15		61	0.00329	0.20											
919432	2009-10-01 10:30	4	SE	RAINBOW	CALLER INTENDS TO NOTIFY THE US COAST GUARD.			14.6	500	1,018	11.67	1,089		93	0.01072	1.00											
919672	2009-10-04 10:25	20	SE		CALLER HAD NO ADDITIONAL INFORMATION TO PASS.		3			0.13	2.6	120		20		0.10											
919968	2009-10-07 14:30	11	SW	BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.	E		5.2	100	73	0.16	8		48	0.00206	0.10											
920133	2009-10-09 7:50	15		BARELY DISCERNIBLE	10% COVERAGE			4.2	25	890	2,607	10		3	0.00303	0.01											
920217	2009-10-10 11:02			BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION TO REPORT.			4.8	25	1,017	4	109		27	0.00368	0.10											
920612	2009-10-14 10:15	5	W	BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION TO REPORT.	W	2	33264	500	382	4.38	41		9	0.01073	0.10											
920721	2009-10-15 9:20			RAINBOW	CALLER HAD NO ADDITIONAL INFORMATION.			10.3	09	786	9	840		93	0.01072	1.00											
920837	2009-10-16 14:50	9	N	BARELY DISCERNIBLE	SHEEN IS DESCRIBED AS 95% BARELY VISIBLE AND 5% SILVERY.		4	3.1	1	2,627	8.14	295		36	0.00290	0.11											
920896	2009-10-17 10:45			BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.	NNW		2.7	1	2,288	8.1	245		30	0.00331	0.10											
920943	2009-10-18 10:30	18	N	SILVERY	CALLER HAD NO ADDITIONAL INFORMATION.		3	1.2	50	8	0.027	2		66	0.00302	0.20											
921018	2009-10-19 10:00	6	NE	SILVERY	CALLER HAD NO ADDITIONAL INFORMATION.		2	3.1	5	1,314	8	281		35	0.00570	0.20											
921354	2009-10-22 10:50			SILVERY	CALLER HAD NO ADDITIONAL INFORMATION.		4	.7	100	10	0.03	2		70	0.00287	0.20											
921520	2009-10-24 8:20			BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION TO REPORT.	S	3	3.1	25	657	1	70		70	0.00142	0.10											
921605	2009-10-25 11:15			SILVERY	CALLER HAD NO ADDITIONAL INFORMATION.			7.8	150	163	1.58	35		22	0.00906	0.20											
922061	2009-10-29 14:55	19		BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		3	3.2	300	134	0.68	14		21	0.00475	0.10											

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SEGNOS	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"	
922145	2009-10-30 9:15	15	S	SILVERY	CALLER HAD NO ADDITIONAL INFORMATION.		3	3.6	100	50	0.264	11		41	0.00492	0.20											
922269	2009-11-01 10:35	15	NNE	SILVERY	NO ADDITIONAL INFORMATION TO REPORT.	SSW	1	24816	100	57	0.20028	12		61	0.00329	0.20											
922478	2009-11-03 12:45	12	NE	SILVERY	CALLER HAD NO ADDITIONAL INFORMATION.		2	19536	100	45	0.16205	10		59	0.00338	0.20											
922591	2009-11-04 10:00	12	NNE	BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION TO REPORT.	W	2	5.1	300	213	1.34	23		17	0.00587	0.10											
922729	2009-11-05 10:45			SILVERY	NO ADDITIONAL INFORMATION TO REPORT.	SSW	3	2.8	50	20	0.063	4		66	0.00302	0.20											
922881	2009-11-07 9:15			SILVERY	CALLER WILL CONTACT THE USCG.			2.5	5	1,059	5	226		45	0.00442	0.20											
923199	2009-11-11 10:00			SILVERY	CALLER WILL NOTIFY THE UNITED STATES COAST GUARD (USCG).		3	3.3	50	23	0.06	5		82	0.00244	0.20											
923336	2009-11-12 13:45			BARELY DISCERNIBLE	SHEEN IS DESCRIBED AS 80% BARELY VISIBLE AND 20% SILVERY.			8.1	5	3,432	18.22	440		24	0.00497	0.12											
923530	2009-11-13 11:00			BARELY DISCERNIBLE	CALLER DID NOT HAVE ANY ADDITIONAL INFORMATION.		2	12.7	1	10,763	83	1,151		14	0.00721	0.10											
923756	2009-11-16 12:45	5	S	RAINBOW	CALLER HAD NO ADDITIONAL INFORMATION.		0	7.2	400	402	12.07	429		36	0.02811	1.00											
924052	2009-11-19 11:40	16	NE	BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		2	7.2	150	151	0.66	16		24	0.00410	0.10											
924127	2009-11-20 10:00	12	NE	BARELY DISCERNIBLE	CALLER INTENDS TO NOTIFY THE COAST GUARD.	SW	2	5.8	200	162	0.37	17		47	0.00214	0.10											
924594	2009-11-25 10:45	15	NE		CALLER DID NOT HAVE ANY ADDITIONAL INFORMATION.								0 IGNORE														
924624	2009-11-25 12:00			BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION TO REPORT.	WSW	2	4.1	200	114	0.46	12		27	0.00376	0.10											
924654	2009-11-26 8:30	7	WNW		CALLER DID NOT HAVE ANY ADDITIONAL INFORMATION.		2	4.5	400	251	1.108	22	Barely Discernible	24	0.00413	0.10											
925089	2009-12-02 14:49	14	WSW	BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION.		4	5808	100	13	0.03	1		48	0.00210	0.10											
925198	2009-12-03 13:30	10	N	SILVERY	CALLER INTENDS TO NOTIFY THE US COAST GUARD.	WSW	2	2.1	250	73	0.422	16		37	0.00539	0.20											
925278	2009-12-04 10:45	16	NNE	BARELY DISCERNIBLE	CALLER INTENDS TO NOTIFY THE US COAST GUARD.	SSW		2.7	200	75	0.192	8		42	0.00238	0.10											
925357	2009-12-05 14:00	9	N	BARELY DISCERNIBLE	NO ADDITIONAL INFORMATION TO REPORT.	SSW	2	5	200	139	0.45	15		33	0.00302	0.10											
925399	2009-12-06 11:05			SILVERY	CALLER HAD NO ADDITIONAL INFORMATION.			2.9	100	40	0.168	9		51	0.00389	0.20											
925833	2009-12-10 13:00			SILVERY	NO ADDITIONAL INFORMATION TO REPORT.	WSW	2	9	50	6	0.00384	1		ANOMALY - 349	0.00057	0.20											
926462	2009-12-17 8:45			SILVERY	CALLER INTENDS TO NOTIFY THE COAST GUARD.	SW		14256	75	25	0.129	5		41	0.00402	0.20											
926633	2009-12-19 8:00			SILVERY	CALLER INTENDS TO NOTIFY THE USCG.	SSE	3	150		63	0.11506	13		117	0.00171	0.20											
926752	2009-12-21 8:00			BARELY DISCERNIBLE	CALLER WILL MAKE FURTHER NOTIFICATIONS. SHEEN IS 20% COVERAGE - 70% BARELY VISIBLE, 20% SILVERY, 10% BRIGHTLY COLORED.		2	5	5	21,188	238	951		4	0.01051	0.04											
926885	2009-12-22 10:00			BARELY DISCERNIBLE	CALLER WILL NOTIFY THE UNITED STATES COAST GUARD (USCG).		2	7	2	11,865	77	1,268		16	0.00607	0.10											
927093	2009-12-25 14:15	10		BARELY DISCERNIBLE	CALLER INTENDS TO NOTIFY US COAST GUARD.	NW	3	12144	1584	442	4.528	47		10	0.00959	0.10											

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927129	2009-12-26 10:00		8 NE	BARELY DISCERNIBLE	CALLER HAD NO ADDITIONAL INFORMATION.		2	6	200	167	1.02	18		18	0.00570	0.10												
927183	2009-12-27 11:05			SILVERY	CALLER HAD NO ADDITIONAL INFORMATION.		3	3.5	5	1,483	32	317		10	0.02018	0.20												
927315	2009-12-29 10:00			BARELY DISCERNIBLE	CALLER WILL NOTIFY THE UNITED STATES COAST GUARD (USCG).	SW	2	5.5	500	384	1	41		41	0.00244	0.10												
927477	2009-12-31 10:00			BARELY DISCERNIBLE	CALLER WILL NOTIFY THE UNITED STATES COAST GUARD (USCG).		1	4.5	300	188	2.3	20		9	0.01143	0.10												
2009 TOTALS for (209) Taylor NRC Reports											1,659	29,058		17.5														
2009 Average Daily for (209) Taylor Reports:											1,080	8.0	139			0.018	0.146											
2009 MEDIAN for (209) Taylor Reports:											359	1.2	39			0.004	0.100											
2009 Average Daily for (0) NOAA satellite NRC Reports:																												
2009 MEDIAN for (0) NOAA satellite NRC Reports																												
2009 Average Daily for (0) Other NRC Reports (including OWOC):																												
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