

SurveyorMates A Perfect Companion for Marine and Cargo Surveyors

About SurveyorMates

The SurveyorMates has created by the inspiration of SevenSurveyor.com the Marine Surveyor Information blog. It has combined of 3 marine survey calculation programs i.e.: Draft Survey, Bunker Survey and Oil Survey in one application. It is designated for Marine Surveyor to do calculation on surveys with minimum data input, expected to overcome the survey time issues and to organize the survey back up files.

The software will bring the Surveyor to the next level with great features which the Surveyor may like it and the format was modified accordance to the Surveyor's taste.

Hope this software could accommodate the Marine Surveyor needed to complete their survey assignment, especially in calculation that required the fast and accurate action.

Thank you for using this software. Enjoy your survey.

Sincerely, SurveyorMates Team



Welcome Page

The First Page or Welcome Page consists of 5 buttons with button press function as follows:

- 1. DraftSurvey >>> Access the Draft Survey Data Page.
- 2. BunkerCal >>> Access the Bunker Calculation Page.
- 3. OilCal >>> Access the Oil Calculation Page.
- 4. Tools >>> Access the Additional Tools Page.
- 5. Tools 2 >>> Access the Additional Tools 2 Page.
- 6. Exit >>> Close the SurveyorMates.

SurveyorMates for Marine Surveyors



Figure 1. Front Page

Draft Survey

The Draft Survey consists of three pages i.e.:

- A. Draft Survey Data
 - In this page the user should be inserted
 - The particulars

Vessel particulars, such as LBP, dF Initial / Final, dM Initial / Final, dA Initial / Final, MTC on Table (Per CM or M), LCF on Table (from Mid or Aft PP), Survey Purpose (Loading or Discharging), Principal, Port/Place, Arrival Date, Cargo Description, B/L Quantity, Sea Condition Initial / Final, and Surveyor Name.

- Draft reading initial and final
 Date and Time, Draft Fwd P/S, Draft Mid P/S, Draft Aft P/S, Density of
 Sea Water and Keel Thickness Correction (if any).
- Deductible Data initial and final Ballast Water, Fresh Water, Fuel, Diesel, Lub. Oil and Others.
- Hydrostatic Table data
 This part has developed to be two ways calculation:
 - 1. Manual Hydrostatic Table Input

To use it choose Manual Table. Inserting the Displacement, TPC, LCF, MTC1 & MTC2 at intended draft meter as per reading draft and Quartermean. Ignore the Red Values.

DraftSurvey									
DraftSurvey	/	Initial Survey			Hydrostat	tic Table for I	Manual (Calculat	ion
Vessel Name	MV. SEA SUGAR	Date & Time	23-02-2015	01:20h	-				
GRT / NRT	187860 112928	Fwd P / Fwd S	7.92	7.92	Displacement @ Dr 1576	raft Ton Per Ce	ntimeter (TPC)	Long. Cent	er Flotation (LCF)
LBP / Port of Registry	285 Surabaya	Mid P / Mid S	9	9.18	9.029 163.5	933.186 9.029	176.159	9.029	-2.688
Light Ship / Constant	85942.22 5905.61		10.29	10.29	9.05 1684	9.05	177	9.05	-2.89
Summer Draft / DWT	24 472	Density of Sea	10.20	10.25	MTC 1 or dM/dZ 1	MTC 2 or o	M/dZ 2		
	24.472 346266.28		1.019		9.5 3547	8.5	3576	Net	Displacement
dF Initial / dF Final	19.5 19.5	Ballast / Fresh Water	35476.477	429.83	9.529 3547	.580 8.529	3576.580	125	,084.231
dM Initial / dM Final	6.4 6.4	Fuel Oil / Diesel Oil	1367.26	125.21	9.55 3548	8.55	3577		
dA Initial / dA Final	19.5 19.5	Lub. Oil / Others	0	0					
LBM Initial / LBM Final	246.00 246.00	-			MTC on Table	Per CM 🔻	Notes	: Do not ch	ange
		Final Survey			LCF on Table	From Mid PP	the re Color	d values. C	lick
Survey Purpose	Loading 👻	Date & Time	26-02-2015	22:35h	Kool Thicknoss		Calcu	ate to rem	-50.
Principals / Client	Five Stars Shipping Co.	Fwd P / Fwd S	19.28	19.28		0.018			
Port / Place	Tg. Priok, Jakarta	Mid P / Mid S	10.20	40.00	Displacement @ Dr	raft Ton Per Ce	ntimeter (TPC)	Long. Cent	er Flotation (LCF)
Arrival Date	23-02-2015	A& D / A& C	19.59	19.59	19.368 3400	369.378 19.368	179.730	19.368	1.000
Cargo Description	Cool in Bulk	AILE / AILS	19.5	19.5 -	19.4 3409	50 19.4	179.73	19.4	1
PL Quantitu		Density of Sea Water	1.02		MTC 1 or dM/d7 1	MTC 2 or r	M/d7 2		
DL Quantity	25687	Ballast / Fresh	1378.913	398.11	19.85 4084	18.85	4083.5	Net	Displacement
Sea Cond. Initial / Final	Swell -1.0m Swell -1.	5m Fuel Oil / Diesel Oil	1322.28	125	19.868 4084	.000 18.868	4083.677	335,	500.735
Surveyor Name	Capt. Marco	Lub. Oil / Others	0	0	19.9 4084	18.9	4084	Total C	argo Load/Disch
-	3		,					210	,416.504
Calculate	Save This Form	Export	Sounding	Initial	Manual Table		Tools 2		
Preview & Print	Clean This Form	Import	Sounding	z Final	Auto Table	Main	Menu		

Figure 2. Draft Survey Page with Manual Hydrostatic Table input

Hydrostatic Manual

Draft Survey (continued)

2. Automatic Hydrostatic Table Input

Inserting the data of Hydrostatic Table on each Meter for Displacement, TPC, LCF, MTC.

For one time data inserted you could do entire draft survey for this ship without inserting any hydrostatic data anymore.

This feature is the fastest way to get the draft survey but you will find a bit discrepancy as mention on the accuracy of calculation section.

To activated this feature, choosing Auto Table at Draft Survey front page and insert the requested data.

		H	ydrost	atic Tabl	e for Auto	Calculatio	n		
Draft (M)	Displ	TPC	LCF	MTC	Draft (M	Displ	TPC	LCF	MTC
1.00	8359	48.25	-7.21	213.31	15.00	1	1	1	1
2.00	12147	49.1	-6.58	234.59	16.00	1	1	1	1
3.00	17069	49.84	-5.99	258.31	17.00	1	1	1	1
4.00	21998	50.19	-5.01	277.32	18.00	315791	179.59	2	4074.1
5.00	27112	51.25	-4.33	390.9	19.00	333761	179.73	2	4084
6.00	32568	51.89	-3.59	412.25	20.00	351734	179.73	2	4084
7.00	37985	52.59	-2.43	425.36	21.00	369707	179.73	2	4084
8.00	138164	175.43	0	3788.5	22.00	1	1	1	1
9.00	155687	176.14	0	3835.4	23.00	1	1	1	1
10.00	173308	176.51	0	3860.4	24.00	1	1	1	1
11.00	59024	56.56	1.01	512.47	25.00	1	1	1	1
12.00	64978	57.21	1.69	535.63	26.00	1	1	1	1
13.00	70139	58.01	2.18	559.99	27.00	1	1	1	1
14.00	75887	58.68	2.89	585.17	Notes: Do not	change the red	l values. Cl	lick Calcu	late to refres
				-		, The second sec			
	Calculate	e		Cle	an This Forr	n		Exit Ta	ble

Figure 3. Draft Survey with Automatic Hydrostatic Table input

Note: Info about MTC / LCF on Table (Per CM or M) - (from Mid or Aft PP) this link: <u>http://sevensurveyor.com/draft-survey-the-other-side/</u>



B. Sounding Initial

The Sounding Initial is accommodate to calculate of the Ballast Water for 28 Tanks, Fresh Water for 6 Tanks, Fuel Oil for 12 Tanks, and Diesel Oil for 10 Tanks.

Data required for Ballast Water and Fresh Water Initial:

- Tank Name
- Sounding / Ullage Meter
- Water Density

Data required for Fuel Oil and Diesel Oil Initial:

- Tank Name
- Sounding / Ullage Meter
- Observed Volume as shown on tank table
- Density at 15°C
- Temperature in Celsius.

Ballast, Fresh Water and Bunker Initial

ank No	Sdg	Vol. CuM	Density	Weight (MT)	Tank No	Sdg	Vol. CuM	Density	Weight (MT)	Tank No	Sdg	Vol. CuM	Density	Temp	Weight (MT
FPT	1.25	1225	1.025	1,255.625	TST 2S	4.09	443	1.025	454.075	FOT 1P	1.85	201	0.9906	38	195.767
DBT 1P	0.01	263	1.025	269.575	TST 3P	4.1	444	1.025	455.100	FOT 1S	1.86	208	0.989	32	203.099
DBT 1S	3.97	431	1.025	441.775	TST 3S	4.11	445	1.025	456.125	FOT 2P	1.87	209	0.9874	33	203.580
DBT 2P	3.98	432	1.025	442.800	TST 4P	4.12	446	1.025	457.150	FOT 2S	1.88	210	0.9874	32	204.700
DBT 2S	3.99	433	1.023	442.959	TST 4S	4.13	447	1.025	458.175	FOT 3P	1.89	211	0.9874	32	205.674
DBT 3P	4	434	1.025	444.850	TST 5P	4.14	448	1.025	459.200	FOT 3S	1.9	212	0.9874	32	206.650
DBT 3S	4.01	435	1.025	445.875	TST 5S	4.15	449	1.025	460.225	FOT 4P	1.91	213	0.9874	32	207.624
DBT 4P	4.02	436	1.025	446.900	TST 6P	4.16	450	1.025	461.250	FOT 4S	1.92	214	0.9874	32	208.599
DBT 4S	4.03	437	1.025	447.925	TST 6C	4.17	451	1.025	462.275	FOT 4C	1.93	215	0.9874	32	209.574
DBT 5P	4.04	438	1.025	448.950	TST 6S	4.18	452	1.025	463.300	SERVICE	1.94	216	0.9874	32	210.548
DBT 5S	4.05	439	1.025	449.975	TST 7P	4.19	453	1.025	464.325	SETTLING	1.95	217	0.9874	32	211.523
TST 1P	4.06	440	1.025	451.000	TST 7C	4.2	454	1.025	465.350	OFT	1.96	218	0.9874	32	212.497
TST 1S	4.07	441	1.025	452.025	TST 7S	4.21	455	1.025	466.375	Taali Ma		V-L C.M	Density		Mariala (N
TST 2P	4.08	442	1.025	453.050	APT	4.22	456	1.025	467.400		Sug	Vol. Culvi	Density	Temp	weight (iv
					Notos: Do not	change t	ho rod valuo	c. Click Co	loulate to refresh	DOT 1P	1.97	211	0.8744	36	181.152
resh V	Vater	Initial			Notes. Do not	change t	ne reu value	s. click ca	iculate to relies.	DOT 15	1.98	220	0.8/14	32	188.843
ank No	Sdg	Vol. CuM	Density	Weight (MT)	Interp	οιατιοι	n	Trim		DOT 2P	1.99	221	0.8/14	32	189.701
FWT 1P	4.23	452	1	452.000			2	2.28	3	DOT 25	2	222	0.8714	32	190.560
FWT 1S	4.24	462	1	462.000	Soundi	ng ′			,	DOT 25	2.01	225	0.0714	22	102.276
FWT 2P	4.25	459	1	459.000	1	— F	100	128.000	200	DOT 35	2.02	224	0.8714	32	192.276
FWT 2S	4.26	460	1	460.000	1.22	— i-	228.000	256.000	228.000	DOT 45	2.03	225	0.0714	22	102 002
DWT P	4.27	461	1	461.000	1.52		228.000	250.000	5 528.000	SERVICE	2.04	220	0.8714	22	193.995
DWT S	4.28	462	1	462.000	1.5		300	328.000	400	SETLING	2.05	159	0.8/17	99	124.531
										JULING	2.55	130	0.0417	00	124.527
otal Bal	last Wat	er 13,343	.609	Tota	l Fresh Water	2,75	6.000	_	Total Fuel Oil	2,161.526		Tota	l Diesel O	il 1,8	40.458

Figure 4. Sounding Initial Page

Draft Survey (continued)

C. Sounding Final

The Sounding Final is accommodate to calculate of the Ballast Water for 28 Tanks, Fresh Water for 6 Tanks, Fuel Oil for 12 Tanks, and Diesel Oil for 10 Tanks.

Data required for Ballast Water and Fresh Water Final:

- Tank Name (in initial page only)
- Sounding / Ullage Meter
- Water Density

Data required for Fuel Oil and Diesel Oil Final:

- Tank Name (in initial page only)
- Sounding / Ullage Meter
- Observed Volume as shown on tank table
- Density at 15°C

Ballast, Fresh Water and Bunker Final

- Temperature in Celsius.

ank No	Sdg	Vol. CuM	Density	Weight (MT)	Tank No	Sdg	Vol. CuM	Density	Weight (MT)	Tank No	Sdg	Vol. CuM	Density	Temp	Weight (MT
FPT	497	1233	1.023	1,261.359	TST 2S	511	545	1.023	557.535	FOT 1P	273	3	0.994	35	2.938
DBT 1P	498	532	1.023	544.236	TST 3P	512	546	1.023	558.558	FOT 1S	274	211	0.994	35	206.652
DBT 1S	499	533	1.023	545.259	TST 3S	513	547	1.023	559.581	FOT 2P	275	4	0.994	35	3.918
DBT 2P	500	534	1.023	546.282	TST 4P	514	548	1.023	560.604	FOT 2S	276	111	0.994	35	108.713
DBT 2S	501	535	1.023	547.305	TST 4S	515	549	1.023	561.627	FOT 3P	277	11	0.994	35	10.773
DBT 3P	502	536	1.023	548.328	TST 5P	516	550	1.023	562.650	FOT 3S	278	111	0.994	35	108.713
DBT 3S	503	537	1.023	549.351	TST 5S	517	551	1.023	563.673	FOT 4P	279	12	0.994	35	11.753
DBT 4P	504	538	1.023	550.374	TST 6P	518	552	1.023	564.696	FOT 4S	280	133	0.994	35	130.260
DBT 4S	505	539	1.023	551.397	TST 6C	519	553	1.023	565.719	FOT 4C	281	131	0.994	35	128.301
DBT 5P	506	540	1.023	552.420	TST 6S	520	554	1.023	566.742	SERVICE	282	123	0.994	35	120.466
DBT 5S	507	541	1.023	553.443	TST 7P	521	555	1.023	567.765	SETTLING	283	124	0.994	35	121.446
TST 1P	508	542	1.023	554.466	TST 7C	522	556	1.023	568.788	OFT	283	1233	0.994	35	1,207.596
TST 1S	509	543	1.023	555.489	TST 7S	523	557	1.023	569.811	Taul Na	c	V-L C.M	Density	T	Matalak (N
TST 2P	510	544	1.023	556.512	APT	524	558	1.023	570.834		Jug	VOI. CUIVI	Density	Temp	weight (w
										DOT 1P	285	1	0.868	28	0.858
resh V	Nater	Final			Notes: Do not	change t	he red value	s. Click Ca	lculate to refresh.	DOT 15	286	2	0.868	28	1./16
Fank No	Sdg	Vol. CuM	Density	Weight (MT)	Interpo	lation		Trim		DOT 2P	287	3	0.868	28	2.574
FWT 1P	525	254	1	254.000				2.20		DOT 25	288	3	0.868	28	2.574
FWT 1S	526	5	1	5.000	Soundir	ng 📫		2.28	3	DOT 3P	289	3	0.808	28	2.574
FWT 2P	527	5	1	5.000		- -	<u></u>	100.000		00135	290		0.868	28	2.574
FWT 2S	528	152	1	152.000	-			128.000	200	DOT 4P	202	1	0.000	20	0.050
DWT P	529	1	1	1.000	1.32	2	28.000	256.000	328.000	SERVICE	292	1	0.000	20	0.050
DWT S	530	2	1	2.000	1.5	30	00	328.000	400	SERVICE	200	-	0.000	20	4.000
		1	1		,					SETLING	295	1 2	0.808	20	4.289
Total Da	Ile et 14/e			Tata	Freeh	440		-	Total Fue		~	Tet	al Dianal		700
	nast wa	iter 16,31	4.804	Tota	rresn	419.	000		Total Fue	2,161.52	ь	101	al Diesei	011 19	./33

Figure 5. Sounding Final Page



Draft Survey (continued)

This software has automatically calculated based on the common vessel's draftmark position.

Common vessel Draftmark position means:

- dF finds after Forward Perpendiculars.
- dM finds after Midship.
- dA finds infront of Aft Perpendiculars.
- If you find like the above, just inserting all distance to perpendicular in plus (+).

In the other case:

- If dF and dM shown plus (+), inserting minus (-).
- If dA shown minus (-), inserting minus (-).



Figure 6. Draftmark Position and Distance to PP

Draft Survey (continued)

Tricks for easy using the software and save your working time

- Generally, you need to insert all the data to Hydrostatic Table. But when doing initial survey and getting tight time, you only need to insert some of hydrostatic data to complete the survey.
- See the below example: if your reading Draftmark shows:
 ** Average Draft Forward : 6.6 m, Midship : 7.4 m, Afterward : 8.2 m.
- You could do rough determination and obtain the average draft as per show by Midship at 7.4 m.
- So, you only need to fill the Hydrostatic Table data at 6.0 m, 7.0 m, 8.0 m and 9.0 m, and then calculate it.
- Ignored the other data and now the calculation is able to run automatically.
- Ensuring to complete the remaining Hydrostatic Table data after initial survey to easily work on the final survey.

The different result with manual calculation:

- Ensuring to read the hydrostatic table carefully. Highly recommended to refer to the Hydrostatic Table, if finds any different result.
- Different Draft Correction to Perpendicular >> check all distance to perpendiculars inserted on Hydrostatic Table.
- Different at QuarterMean (MMM) >> check the reading draft inserted.
- Different at Displacement >> check Hydrostatic Table, Displacement value that have inserted.
- Different at TPC >> check Hydrostatic Table, TPC value that have inserted.
- Different at LCF >> check Hydrostatic Table, LCF value that have inserted.
- Different at MTC >> check Hydrostatic Table, MTC value that have inserted.
- Different 1st Trim correction >> check the Trim, TPC and LCF manually.
- Different 2nd Trim correction >> check the Trim and MTC manually.

The accuracy of calculation

There is no major issues find in this software, but using Automatic Hydrostatic Table in some cases you will find the different result against manual calculation. The variances will not more than 0.01% in plus or minus from total calculated value.

BunkerCal - Bunker Calculation

The BunkerCal is designated for calculating the bunker quantity or remaining on board both fuel oil and diesel oil. The calculation is refers to ASTM table 54B. This BunkerCal is designed to calculate the Fuel Oil for 12 Tanks and Diesel Oil for 10 Tanks.

Data required for Bunker Calculation:

- Vessel's Particulars, Date, Time, Surveyor Name, Draft Fwd and Aft.
- Tank Name
- Sounding / Ullage Meter
- Observed Volume as shown on tank table
- Density at 15°C
- Temperature in Celsius.

On/Off Hire Bunker Certificates are included. Input the particular data of Charter Parties and print the Delivery or Redelivery Certificate.



Figure 7. Bunker Calculation Page

OilCail - Oil Calculation

The OilCal is designated for calculating the oil tanker survey to determine the quantity of cargo loading and discharging on board the vessel. The software calculation is correspondent with API and Density to input the data, and based on ASTM table 6A, 6B, 54A, and 54B. The user is allowed to works with 28 cargo tanks in the survey.

Data required for Oil Calculation:

- Vessel Particulars includes Draft Fwd and Aft, and Vessel List.
- Choose Data Input between API and Density, to determine which method you will use in this calculation. If you choose API, the TOV and Free Water Vol should be inserted >> Barrels and Temp >> Fahrenheit. Once you choose "Density", the TOV and Free Water Vol should be inserted >> Cubic Meter and Temp >> Celsius.
- Choose the table 54 and 6 between A and B.
- Survey Purpose: Before Loading, After Loading, Before Discharging and After Discharging.
- Bottom Sediment and Water (BS&W) Factor.
- Tank Name, Sounding / Ullage, Total Observed Volume as shown on tank table, Free Water Dip (Sounding), Free Water Volume as shown on tank table, API at 60°F or Density at 15°C, it's depends on your Data Input, Temperature in Fahrenheit or Celsius depends on Data Input.

T	od-/ull	701/	Free	Water	D (4.D)	T		Technic	od-/ull	701/	Free	Water	0	T			
COT 1D		100		1	Den/API	Temp				1000.015	15	15	Den/API	lemp	Table 54		
COT 10	1.01	1000	1		30.23	35			1.15	1000.015	15	15	32.13	05.14	TOV / GOV		
0110	1.02	1000.002	2	2	32.02	85.02			1.16	1000.016	16	16	32.10	85.15		Gross	Net
COT 1S	1.03	1000.003	3	3	32.03	86		COT 6C	1.17	1000.017	17	17	32.17	85.15	GSV in Cu.M		
COT 2P	1.04	1000.004	4	4	32.04	85.04		COT 6S	1.18	1000.018	18	18	32.18	85.15	Metric Ton		
COT 2C	1.05	1528	5	5	32.05	85.05		COT 7P	1.19	1000.019	19	19	32.19	85.15	Long Ton		
COT 2S	1.06	1000.006	6	6	32.06	85.06		COT 7C	1.2	1000.02	20	20	32.2	85.15	U.S. Barrels		
COT 3P	1.07	1000.007	7	7	32.07	85.07		COT 7S	1.21	1000.021	21	21	32.21	85.2			
COT 3C	1.08	1000.008	8	8	32.08	85.08		COT 8P	1.22	1000.022	22	22	32.22	85.21	Table 6		
COT 3S	1.09	1000.009	9	9	32.09	85.09		COT 8C	1.23	1000.023	23	23	32.23	85.22	TOV / GOV		
COT 4P	1.1	1000.01	10	10	32.1	85.09		COT 85	1.24	1000.024	24	24	32.24	85.23		Gross	Net
COT 4C	1.11	1000.011	11	11	32.11	85.1		COT 9P	1.25	1000.025	25	25	32.25	85.24	GSV in Bbls		·
COT 4S	1.12	1000.012	12	12	32.12	85.11		COT 95	1.26	1000.026	26	26	32.26	85.25	Long Ton		<u> </u>
COT 5P	1.13	1000.013	13	13	32.13	85.12		SLOP P	1.27	1000.027	27	27	32.27	85.26	Metric Ton		<u> </u>
COT 5C	1.14	1000.014	14	14	32.14	85.13		SLOP S	1.28	1000.028	28	28	32.28	85.27	Cubic		í
	Calculat	e		Export		Sa	ive Thi	is Form		VEF					ſ		

Figure 8. Oil Calculation Page



OilCail - Oil Calculation (continued)

Working with Density at 15°C in air:

- Observed Ullage apply corrections get Corrected Ullage
- Observed Interface apply corrections get Corrected Interface
- From Corrected Ullage, find Total Observed Volume TOV (in cubic meter)
- From Corrected Interface, find Volume of Water (in cubic meter)
- TOV Water = Gross Observed Volume (GOV) of Cargo (in cubic meter)
- Use Density at 15C and Observed Temperature (°C) and find Volume Correction Factor (VCF) from Table 54
- Gross Standard Volume (GSV) = GOV x VCF (cubic meter)
- Weight Correction Factor (WCF) = Density at 15C in vacuum 0.0011 (or the Density at 15C in air)
- Weight in Air (Metric Ton) = GSV x WCF (Density at 15C in air)
- Weight in Vacuum (Metric Ton) = GSV x Density at 15C in vacuum

Working with API Gravity at 60°F :

- Observed Ullage apply corrections get Corrected Ullage
- Observed Interface apply corrections get Corrected Interface
- From Corrected Ullage, find Gross Observed Volume (in US Barrels)
- From Corrected Interface, find Volume of Water (in US Barrels)
- GOV Water = Observed Volume of Cargo (in US Barrels)
- Use API Gravity at 60F and Observed Temperature (°F) and find Volume Correction Factor (VCF) from Table 6
- Gross Standard Volume (GSV) = Observed Cargo Volume (Barrels) x VCF (in US Barrels)
- Find Weight Correction Factor (WCF) from Table 13
- Weight in Air (Metric Tons) = GSV x WCF

The term Weight in Air is that weight which a quantity of fluid appears to have when weighed in air against standard commercials weights so that each will have a mass (weight in vacuum) equal to the nominal mass associated with it.

The term Weight in Vacuum refers to the true mass of a fluid.

Vessel Experience Factor is Included.



What Is the Tools?

The Tools is additional program that attached to this software. The Tools will give addition features for Surveyor to do extra calculation faster and accurate.

The **Tools** loaded with the following extra calculations:

- 1. Conversion Weight, Length, Volume and Capacity is refers to the ASTM Table 1.
- 2. Interpolation (complex version). More information, check the video at: >>>> <u>THIS LINK</u> <<<<<
- 3. Density Commingle (Density Mix).

Insert your calculation data on the Black Values only, because the result will get in Red Values.

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	2	2.28	2.5
Sounding	, -	,	1
14	80	52.000	30
14.51	115.700	87.700	65.700
15	150	122.000	100
2 0.9901	450	0.989609	
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			CON	VELLEI
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	Yards	28.4336	Meters 21.9456	U.S. Gallons Cubic Cubic Feet Imp. Gallons U.S. Barrels Liters
	Feet	85.3008	Feet 12	1 To> 231 0.133681 0.832674 0.0238095 3.78541
	Inches	1023.62	Meters 3 6576	U.S. Gallons Cubic Inches Cubic Feet Imp. Gallons Liters
				1 10 2 42 9702 5.61458 34.9723 158.987
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	Pounds	13440	Pounds 54000	
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		·		Cubic Feet Cubic Imp. Gallons U.S. Gallons U.S. Barrels 1 To > 61.0238 0.0353147 0.219969 0.264172 0.00628981
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	Metric	1		
	Long Tons	0.984206	Calculate	Exit Tools 2
	Short Tons	1.10231		

Figure 9 & 10. Tools Page

Function & Features

Here the explanation about SurveyorMates Function and Features:

1. Calculate

Calculate Button is provided to execute any calculations on page.

2. Preview & Print

When you press this button you will preview the intended survey form with your work result to evaluate. Then you could do print the job as well.



Figure 11. Preview & Print Page

X J v v v AQ Z I = File Print Preview		SurveySoft.xism - Microsoft Excel		اف ت) ۵
Print Page Print Zoom Show Margins Print Zoom Preview				
		DRAFT SURVEY REPORT		
	Client / Principal Name of Vessel Port / Place Description of Cargo	Five Stars Shipping Co. MV. SEA SUGAR Tg. Priok, Jakarta Coal in Bulk	Arrival : 23-02-2015 Light Ship : 85,843.320 MT Summer Draft : 24 472 M	
	Deadweight	346,266.280 T Date of Reading : Time of Reading :	Initial Survey Final Survey 23-02-2015 26-02-2015 01:20h 22:35h 7 90 -0.57	
	1. Forward Draft	Sea Condition : Port Side Starboard Side Mean	Swell -1.0m Swell -1.5m 7.920 m 19.280 m 7.920 m 19.280 m 7.920 m 19.280 m 0.017 m 0.017 m	
	2. Afterward Draft	Corrected Port Side Starboard Side Mean	-0.137 m -0.017 m 7.733 m 19.263 m 10.280 m 19.500 m 10.290 m 19.500 m 10.285 m 19.500 m 0.0285 m 19.500 m	
	3. Fwd and Aftward Mea 4. Mid Ship Draft	Corrected n Draft Port Side Starboard Side Mean	0.187 m 0.017 m 10.472 m 19.517 m 9.103 m 19.390 m 8.990 m 19.390 m 9.180 m 19.390 m 9.085 m 19.390 m	
	5. Mean of Mean 6. Quarter Mean	Correction Corrected M/M M/M/M	-0.062 m -0.006 m 9.023 m 19.384 m 9.063 m 19.387 m 9.0432 m 19.3857 m	
	7. Displacement 8. Trim Correction Trim TPC LCF MTC	Initial Final 2.740 0.255 176.166 179.730 1st 0.000 0.000 2nd 35.449 0.142	156,444.366 mt] 340,693.018 mt] 0.000 mt 0.000 mt 46.102 mt 0.013 mt	
4	LBP Density 9. Displacement Corrected 10. Density Correction	285.000 285.000 1.0190 1.0200 ad for Trim	156,490.468 mt 340,693.030 mt -916.042 mt -1.661.917 mt	

Figure 12. Preview Draft Survey result and print it.



Function & Features (continued)

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Print Zoom Preview		
	BALLAST & FRESH WATER TANK	
	Vessel: MV SEA SUIGAR Dort: Tr. Drick Jakarta	
	Survey Date: 23-02-2015 Survey Date: 26-02-2015	
	Initial Survey Time: 01:20h Final Survey Time: 22:35h	
	BALLAST WATER BALLAST WATER TANK Cruzzin Volume Density Weight TANK Cruzzin Volume Density Weight	
	TANK Sounding (Cu.M) (kg/m3) (MT) (Cu.M) (kg/m3) (MT) (Cu.M) (kg/m3) (MT)	
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	DBT 2S 3.99 433.000 1.023 442.959 DBT 2S 501.00 535.000 1.023 547.305	
	DBT 3P 4.00 434.000 1.025 444.850 DBT 3P 502.00 536.000 1.023 548.328 DBT 3S 4.01 435.000 1.025 445.875 DBT 3S 503.00 537.000 1.023 549.351	
	DBT 4P 4.02 436.000 1.025 446.900 DBT 4P 504.00 538.000 1.023 550.374	
	DB1 45 4.03 437.000 1.025 447.925 DB1 45 505.00 539.000 1.023 551.397 DB1 5P 4.04 438.000 1.025 448.950 DBT 5P 506.00 540.000 1.023 552.420	
	DBT 55 4.05 439.000 1.025 449.975 DBT 55 507.00 541.000 1.023 553.443	=
	TST 1S 4.07 441.000 1.025 452.025 TST 1S 508.00 543.000 1.023 555.489	
	TST 2P 4.08 442.000 1.025 453.050 TST 2P 510.00 544.000 1.023 556.512 TST 2S 4.09 443.000 1.025 454.075 TST 2S 511.00 545.000 1.023 557.535	
	TST 3P 4.10 444.000 1.025 455.100 TST 3P 512.00 546.000 1.023 558.558	
	TST 3S 4.11 445.000 1.025 456.125 TST 3S 513.00 547.000 1.023 559.581 TST 4P 4.12 446.000 1.025 457.150 TST 4P 548.000 1.023 560.604	
	TST 4S 4.13 447.000 1.025 458.175 TST 4S 515.00 549.000 1.023 561.627	
	TST 5P 4.14 448.000 1.025 459.200 TST 5P 516.00 550.000 1.023 562.650 TST 5S 4.15 449.000 1.025 460.225 TST 5S 517.00 551.000 1.023 563.673	
	TST 6P 4.16 450.000 1.025 461.250 TST 6P 518.00 552.000 1.023 564.696	
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	TST 7P 4.19 453.000 1.025 464.325 TST 7P 521.00 555.000 1.023 567.765	
	TST 75 4.21 455.000 1.025 466.375 TST 75 522.00 530.000 1.023 569.811	
	APT 4.22 456.000 1.025 467.400 APT 524.00 558.000 1.023 570.834 TOTAL 12.019.000 12.318.609 TOTAL 14.948.000 15.291.804	
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Figure 13 & 14. Preview Draft Survey Ballast FW, FO, DO results and print it

Function & Features (continued)

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	Date		25-06-2013			_			Aft	2.34 M		
	Time	-	16:22h			_			Trim	0.85 M		
	Mari	ine Fue	el Oil									
	Та	ank	Sounding /	Volum	e Density	Temp	V.C.F.		G.S.V	Metric		
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	FO	0T 1S	1.250	18.000	0.9878	39.00	0.9835		17.703	17.468		
	FO	T 2C	1.340	15.000	0.9878	38.00	0.9842		14.763	14.567		
	FO	T 2S	1.350	16.000	0.9878	38.00	0.9842		15.747	15.538		
	FO	T 3S	0.370	59.000	0.9878	38.00	0.9842		58.068	57.296		
	FO	T 4P	0.380	60.000	0.9878	38.00	0.9842		59.052	58.267		
	FO	OT 4S RVICE	0.390 GAUGED	61.000	0.9878	68.00	0.9634		58.767	57.985		
	SET	TLING	GAUGED	258.000	0.9878	98.00	0.9424		243.139	239.905		
		TOTA	AL.	861	250				835.678	823.105		
	Mari	ine Die	sel Oil									
			Sounding /	Volum	e Density	Temp	V.C.F.		G.S.V	Metric		
		ank	Ullage (M)	Cu.M	@ 15°C	Deg (C)	Table 54	B Cu	ı.M @15℃	Tons		
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Pint Zoom Next Page Pint Zoom Show Margins Print Zoom Preview	Vessel Na Grade / C Port / Pla Date / Tin	me argo ce ne	: MV. SABRA : Crude Oil : Jakarta : 25-02-2014	SurveySoft NG LOR . 14:2	xlsm - Microsoft	Excel	ULI	LAGI After ed on A	E REPO	<u>२</u> इ		2 4
Print Zoom Previous Previous Print Zoom Previous Preview	Vessel Na Grade / C Port / Plat Date / Tim	me argo ce te Corr'd	: MV. SABRA : Crude Oil : Jakarta : 25-02-2014 Total Observe	SurveySoft NG LOR 14:2	xlsm - Microsoft 3h e Water	Excel	ULI Bas	LAGI After ed on A	E REPO	R R Gross Stand ard		ن ر ۵ ۵ ۹
Image: Constraint of the sector of the se	Vessel Na Grade / C Date / Tur Tank No.	me argo ce he Corr'd Ullage M	: MV. SABRA : Crude Oil Jakarta : Jakarta : 25-02-2014 Total Observ Volume M ³	SurveySoft NG LOR 14:2 d Fre Dip CM	sh Volume M ²	Excel Gross Obs'd Volume M ²	ULI Bas Density 15°C	LAGI After ed on A Temp °C	E REPO Loading STM Table 5 V.C.F. Table 548	R B Gross Stand ard Volume M ³		2
Image: Construction Image: Construction Print Previous Print Zoom Preview Previe	Vessel Na Grade / C Port / Plat Date / Tim Tank No. COT 1P	me argo ce te Corr'd Ullage M 1.01	: MV. SABRA : Crude Oil : Jakarta : 25-02-2014 Total Observ Volume M ³ 158.9	SurveySoft NG LOR 14:2 ed Fre Dip CM 87 1.0	xism - Microsoft 3h e Water Volume M ³ 0.159	Excel Gross Obs'd Volume M ³ 158.828	ULI Base Density 15°C 0.8650	LAGI After ed on A Temp °C 29.5	E REPO Loading STM Table 5- V.C.F. Table 5-48 0.9882	8 Gross Standard Volume M ³ 156.954		- ⊕ 2
Image: Construction Image: Construction Print Page Print Zoom The Print Show Margins Preview	Vessel Na Grade / C Port / Plac Date / Tim Tank No. COT 10 COT 15	me argo ce M Ullage M 1.01 1.02	: MV. SABRA : Crude Oil : Jakarta : 25-02-201 : 70tal Observ Volume M ³ 158.9 158.9 158.9	SurveySoft NG LOR 14:2 rd Fre Dip CM 87 1.0 88 2.0 88 3.0	3h e Water Volume M ³ 0.159 0.318 0.477	Excel Gross Obs'd Volume M ⁸ 158.828 158.670 158.511	ULI Bas Density 15°C 0.8650 0.8649 0.8649	LAGI After ed on A 29.5 29.5 29.5	E REPO Loading STM Table 5 V.C.F. Table 548 0.9882 0.9882 0.9882	8 Gross Standard Volume M ³ 156.954 156.781 156.781		- ⊕ X
Image: Second	Vessel Na Grade / C Port / Plat Date / Tim Tank No. COT 10 COT 12 COT 20	me argo ce he Corr'd Ullage M 1.01 1.02 1.03 1.04	: MV. SABRA : Crude Oil : Jakarta : 25-02-2014 Total Observ Volume M ³ 158.9 158.9 158.9 158.9	SurveySoft NG LOR 14:2 2d Fre Dip CM 87 10 88 2.0 88 3.0 88 4.0	3h e Water Volume M ³ 0.159 0.318 0.477 0.636	Excel Gross Obs'd Volume M ³ 158.828 158.670 158.511 158.352	ULI Bas Density 15°C 0.8650 0.8649 0.8649 0.8648	LAGI After ed on A Temp °C 29.5 29.5 29.5 29.5	E REPO Loading STM Table 5- V.C.F. Table 548 0.9882 0.9882 0.9882 0.9882	8 Gross Standard Volume M ³ 156.954 156.788 156.788 156.483		ن ر ر ۵ ۵ ۲
Image: Construction of the section	Vessel Na Grade / Ci Port / Plat Date / Tin Cot 1C Cot 12 Cot 2C Cot 22 Cot 22	me argo ce he Corr'd Ullage M 1.01 1.02 1.03 1.04 1.05	: MV. SABRA : Crude Oil : Jakarta : 25-02-2014 Total Observi Volume 155.9.9 : 155.9.9 : 155.9. : 155.9	SurveySoft NG LOR 14:2 Dip CM 87 1.0 88 2.0 88 3.0 88 4.0 33 5.0 88 6.00	3h - Microsoft - Water M ³ 0.159 0.318 0.477 0.656 0.795 0.954	Excel Gross Obs'd Volume M ³ 158.828 158.670 158.511 158.352 242.138 156.042	ULI Base Density 15°C 0.8649 0.8649 0.8648 0.8648 0.8648	LAGI After ed on A 29.5 29.5 29.5 29.5 29.5 29.5 29.5 29.5	E REPO Loading STM Table 5- V.C.F. Table 548 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882	8 Gross Standard Volume M ³ 156.954 156.641 156.641 156.641 156.641 156.641 156.641 156.292.211		ت ر ۵ ۵ آغا ۱
Pint Pretew Pint Page Pint Zoom Show Margins Pretew Pretew Pretew Pretous Page	Vessel Na Grade / Ci Port / Plat Date / Tim Tank No. COT 10 COT 10 COT 12 COT 20 COT 20 COT 20 COT 20 COT 20	me argo ce me Corr'd Ullage M 1.01 1.02 1.03 1.04 1.05 1.06 1.07	: MV. SABRA : Crude Oil : Jakarta : 25-02-2014 Total Observ Volume M ³ 155.9 155.9 155.9 155.9 155.9 155.9 155.9 155.9 155.9 155.9	SurveySoft NG LOR 14:2 CM 87 10 88 2.0 88 3.0 88 4.0 33 5.0 88 6.0 88 6.0 8 6.0 8 6.0 8 7.0 8 7.0	3h e Water Volume M ³ 0.159 0.318 0.477 0.636 0.635 0.635 0.795 1.113	Excel Gross Obs'd Volume M ³ 158.8511 158.552 242.138 158.034 158.670	ULI Base Density 15°C 0.8649 0.8649 0.8648 0.8648 0.8647 0.8647	LAGGI After ed on A Temp °C 29.5 29.5 29.5 29.5 29.5 29.5 29.5	E REPO Loading STM Table 5- V.C.F. Table 548 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882	8 Gross Standard Volume M ³ 156,954 156,641 156,643 259,281 156,169 156,103		2 0 0 9 0 1
Pint Page Print Zoom Preview Preview	Vessel Na Grade / C Port / Plat Date / Tim Tank No. COT 19 COT 15 COT 20 COT 20 COT 20 COT 20 COT 20 COT 30 COT 30 COT 30	me re ce me Corr'd Ullage M 1.01 1.02 1.03 1.04 1.05 1.06 1.07 1.08	: MV. SABRA : Crude Oil : Jakarta : 25-02-2014 Total Observ Volume M ³ 158.9	SurveySoft NG LOR 14:2 td Fre Dip CM 87 1.0 88 3.0 88 4.0 33 5.0 88 4.0 38 5.0 88 6.0 88 6.0 88 6.0 88 8.0 89 9.0	3h Volume M ³ 0.199 0.318 0.477 0.595 0.795 0.795 0.594 1.113 1.272 1.431	Excel Gross Obs'd Volume M ³ 158.521 158.532 242.138 158.034 157.875 157.717 157.542	Base Density 15°C 0.8650 0.8649 0.8649 0.8648 0.8647 0.8647 0.8647 0.8647	LAGI After ed on A 7emp °C 29.5 29.5 29.5 29.5 29.5 29.5 29.5 29.5	E REPO Loading STM Table 5- V.C.F. Table 548 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882	8 Gross Standard Volume M ³ 156.954 156.643 156.483 259.281 156.169 156.013 155.856 155.856		2 0 2 9 0 1
Image: Construction Image: Construction Print Print Print Print Zoom Print Previous Cose Print Print Zoom Previous Previous	Vessel Na Grade / C Port / Plat Date / Im Tank No. COT 19 COT 16 COT 15 COT 26 COT 25 COT 25 COT 25 COT 35 COT 36 COT 35 COT 35 COT 35 COT 35 COT 35	me argo re he Con'd Ullage M 1.01 1.02 1.03 1.04 1.05 1.07 1.08 1.09	: MV. SABRA : Crude Oil : Jakarta : 25-02-2014 Total Observ Volume M ³ 155.9 155.9 155.9 155.9 155.9 155.9 155.9 155.9 155.9 155.9 155.9 155.9 155.9 155.9	SurveySoft NG LOR 14:22 d Frr Dip CM 87 10 88 2.0 88 4.0 33 5.0 88 5.0 88 5.0 88 5.0 88 5.0 88 5.0 89 9.0 9 9.0	xtsm - Microsoft 3h ve Weter Volume M ³ 0.159 0.318 0.477 0.336 0.477 0.336 0.477 0.395 0.954 1.113 1.272 1.431 1.500	Excel Gross Obs/d Volume M ² 158.828 158.828 158.828 158.829 158.851 158.852 158.854 157.707 157.558 157.359	Bass Density 15°C 0.8650 0.8649 0.8649 0.8649 0.8649 0.8647 0.8645 0.8646 0.8646 0.8646 0.8646	LAGI After ed on A Temp °C 29.5 29.5 29.5 29.5 29.5 29.5 29.5 29.5	E REPO Loading STM Table 5- V.C.F. Table 548 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882	8 GrossStandard Volume M ² 156,954 156,641 156,483 239,281 259,281 155,643 155,856 155,643 155,856 155,542		
Piret Page Print Zoom Preview Previe	Vessel Na Grade / C Port / Plac Date / Im Tank No. COT 19 COT 12 COT 15 COT 25 COT 25 COT 25 COT 32 COT 32 COT 32 COT 32 COT 32	me argo ze he Con'd Ullage M 1.01 1.02 1.03 1.04 1.05 1.06 1.07 1.08 1.09 1.10 1.11 1.11 1.11	: MV. SABRA : Crude Oil : Jakarta : 23-02-2014 Total Observ Volume M ³ 158.9	SurveySoft NG LOR 14:22 dd Fred Dip CM CM 88 2.0 88 3.0 88 6.0 88 6.0 88 6.0 89 9.0 99 9.10 99 9.10 1.1	3h e Water Volume M ² 0.159 0.318 0.477 0.636 0.795 0.954 1.113 1.272 1.431 1.272 1.431 1.530 1.749 1.076	Excel Gross Obs'd Wolume M ² 158.828 158.670 158.511 158.352 242.138 158.034 157.876 157.717 157.558 157.399 157.349 157.349	ULLI Base Density 15°C 0.8640 0.8640 0.8643 0.8643 0.8643 0.8644 0.8644 0.8644 0.8645 0.8646 0.8645 0.8645 0.8645 0.8645	LAGI After ed on A Temp °C 29.5 29.5 29.5 29.5 29.5 29.5 29.5 29.5	E REPO Loading STM Table 5- 548 0.9882	8 Gross Standard Volume M ³ 156,954 156,641 156,483 129,281 155,159 156,013 155,856 155,642 155,542 155,385 155,542		
Image: Construction of the second	Vessel Na Grade / C Port / Plat Date / Im Tank COT 1P COT 1C COT 15 COT 25 COT 25 COT 25 COT 32 COT 32 COT 40 COT 42 COT 42 COT 45 COT 45	me argo ze te Corr'd Ullage M 1.01 1.02 1.03 1.04 1.05 1.06 1.07 1.08 1.09 1.10 1.11 1.11	: MV. SABRA : Crude Oil : Jakarta : 25-02-2014 Total Observ Volume M ³ 155.9	SurveySoft Id4:22 Id4:22 Id4:2 Id	3h e Water Volume M ² 0.159 0.318 0.477 0.656 0.795 1.019 0.456 0.477 0.656 0.795 1.1272 1.431 1.129 1.590 1.749 1.908 2.067	Gross Obs'd Volume M ² 158.828 158.670 158.511 158.352 242.138 155.034 157.876 157.77 157.758 157.799 157.240 157.081 156.933	ULL Base Density 15°C 0.86649 0.86649 0.86648 0.86647 0.86646 0.86646 0.86646 0.86646 0.86646 0.86646 0.86646 0.86645	LAGI After ed on A Temp c 29.5 29.5 29.5 29.5 29.5 29.5 29.5 29.5	E REPO Loading STM Table 5- 548 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882 0.9882	8 Gross Standard Volume M ³ 156,954 156,641 156,483 156,641 156,483 156,619 156,619 155,699 155,542 155,385 155,542 155,385 155,227 155,071		
Image: Control of the section of th	Vessel Na Grade / C Port / Plat Date / Tim Tank No. COT 19 COT 15 COT 29 COT 25 COT 25 COT 35 COT 35 COT 40 COT 45 COT 55 COT 55 COT 55 COT 55	me argo ee e M 1001 102 103 104 103 104 103 105 106 107 108 109 1111 112 1112 1113 114 112	: MV. SABRA : Crude Oil : Jakarta : 25-02-2014 Total Observi Volume M ³ 155.9	SurveySoft 14-22 14-22 14-24 16 16 10 10 10 10 10 10 10 10 10 10	Sh e Water Volume M ³ 0.457 0.595 0.795 0.595 1.113 1.272 1.431 1.590 1.272 1.431 1.590 1.276 1.298 2.067 2.2061	Excel Gross Obs'd Volume M ² 158.670 158.511 158.352 242.138 157.071 157.739 157.739 157.740 157.985 157.985 157.399 157.201 155.934 155.935 155.934 155.934 155.935 155.935 155.935 155.935 155.9	ULI Baza Densty 0.8649 0.8649 0.8644 0.8644 0.8646 0.8646 0.8646 0.8646 0.8644 0.8644 0.8644 0.8644 0.8644	LAGI After ed on A 700 29.5 29.5 29.5 29.5 29.5 29.5 29.5 29.5	E REPO Loading STM Table 5 0.9882	R B Gross Standard Volume M ³ 156.954 156.954 156.453 155.699 155.699 155.699 155.699 155.699 155.542 155.825 155.227 155.271 155.271 154.914 154.914 154.914		
Image: Control of the section of th	Vessel Na Grade / C Port / Plat Date / Tim Tank No. COT 10 COT 12 COT 20 COT 25 COT 29 COT 25 COT 29 COT 25 COT 35 COT 40 COT 45 COT 45 COT 55 COT 55	me argo ce e Corr'd 101 102 103 104 103 106 107 100 110 108 109 110 111 111 111 111 111 111	: MV. SABRA : Crude Oil : Jakarta : 22-02-2014 Total Observi Volume 155.9. 155.	SurveySoft 144:2 144:2 CM 87 20 88 30 88 40 33 50 88 40 33 50 88 40 33 50 88 40 33 50 88 40 33 50 89 90 89 90 89 110 99 120 140 140 140 140 140 140 140 14	3h ee Water Volume M ³ 0.459 0.338 0.477 0.636 0.795 0.595 1.431 1.272 1.431 1.590 1.432 1.432 1.439 1.908 2.206 2.238 2.2385	Excel Gross Obs'd Volume M ³ 158.828 158.670 158.511 158.828 242.138 157.876 157.787 157.787 157.787 157.787 157.789 157.202 156.605 156.404 156.605	Base Densty 15°C 0.8649 0.8649 0.8648 0.8648 0.8648 0.8646 0.8646 0.8646 0.8646 0.8646 0.8646 0.8646 0.8645 0.8645 0.8645 0.8645	LAGI After ed on A Temp *c 29.5 29.5 29.5 29.5 29.5 29.5 29.5 29.5	E REPO Loading STM Table 5 Table 548 0.9882	RT 8 Gross Stand ard Volume M ³ 156.954 156.954 156.954 156.639 155.856 155.639 155.859 155.839 155.835 155.839 155.835 155.839 155.835 155.839 155.835 155.839 155.835 155.837 155.857 1		
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Figure 15 & 16. Preview Bunker Survey and Oil Survey results

Function & Features (continued)

3. Save This Form

This button is function to save the data on page. It is used in intermediate save before you do Export.

4. Clean This Form

By pressing this button you will clean the data on page. If in the first action it won't clean the data on page, you should press it twice.

5. Export

Export is the new feature in SurveyorMates, with this feature you could save your data on your computer to retrieve it when you need later.

You need to press Export, give name to your file, choose your file location as you wish and then press Save.

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Figure 17. Export your data to save on computer.

Function & Features (continued)

6. Import

To support Export, the SurveyorMates provided with Import Button to recall/retrieve the data that saved previously.

It will work by pressing the Import Button, find you data location and choose the file name, then click Open.

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Figure 18. Import to recall your saved data.

7. Exit

When you have finished with survey, you could press the Exit Button.

Setting Company Logo

How to change / customize the header logo? Check the video here: https://youtu.be/uPqFeO8ei41



How to convert survey form to PDF

Question: I recently purchased SurveyorMates-A1+ and been exploring the software, yet I find it very hard to work with not being able to save the reports and send these via email. I am a certified surveyor can't always have a printer available plus the majority of clients prefer to have a soft copy. Is there a way to have this option unblocked or available?

Answer: You need PDF Writer software installed on computer to convert the form to PDF such as Adobe Acrobat and NitroPDF.

You also could use FREE software for the same function:

- Foxit Reader downloadable at link: <u>https://www.foxitsoftware.com/downloads/</u>
- CutePDF downloadable at link: <u>http://www.cutepdf.com/</u>

We have tried both, but preferred to Foxit Reader

Then do the following steps:

Open the Program >>> Press AGREE >>> DRAFT SURVEY >>> PREVIEW & PRINT >>> Tick DRAFT SURVEY >>> PREVIEW & PRINT >>> Press PRINT >>> change the PRINTER NAME to FOXIT or CUTE PDF >>> click OK >>> choose the FILE LOCATION for your file and edit the FILE NAME if you like >>> then click SAVE.

To customize the PDF; quality, colour or gray scale, size of paper etc >>> open PROPERTY and change your PDF Settings.

Attached the support pictures.







Troubleshooter

Before running the software, you need to set "Format of Region and Language".

Press "Control Panel" then "Clock, Language, and Region" then choose "Region and Language".

Under "Format" then ensure to choose "English (United States)" and click "Apply" and "OK".

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Once you work with software you might face the following:

- Software is freezing, you can't continue working.
- Software suddenly disappears but not closes properly. When you try to reopen the by click icon it won't start.
 Solution:

Press "Ctrl+Alt+Del" to open "Windows Task Manager" then choose "Processes" and highlight "EXCEL.EXE" and click "End Process".

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Using Excel 2003 and 2002? Download and install the Compatibility Pack

To open 2016, 2013, 2010 or 2007 Office System documents in Office 2003, Office XP, or Office 2000, you must install the Office Compatibility Pack. To do this, follow these steps:

- Go to the Microsoft Download Center to <u>download the Office Compatibility</u> <u>Pack</u>.
- 2. To download the Compatibility Pack (FileFormatConverters.exe), click Download.
- 3. When you are prompted, click Run to install the Compatibility Pack.
- 4. After the Compatibility Pack is installed, close any Office programs that are open.
- 5. Restart Office programs to open documents in the newer format.

Note: You must manually close and restart any Office programs that were open when you installed the Compatibility Pack. After those programs are restarted, the Office programs can open files that use the Open XML Format.

Question: Every now and then I am losing the program from my computer. The Anti-Virus sais illegal software and removed automatically. Can you send me a version of your software to avoid all hassle?

Answer: This is a false positive and unique solution is notifying your antivirus companies, because the problem is with antivirus, not with SurveyorMates.

'False positive' alert is something very boring for thousands of truthful programmer that have the misfortune of their exe file has the same string of some of the more than 45,000,000 already existent virus. Antivirus programs, moreover do not detect all viruses, detect virus where they does not exist. See links below, for example, how 'False positive virus alert' can be something very stupid. See also this <u>comparative and independent site</u> to know which antivirus are good and which are bad.

http://www.theregister.co.uk/2011/10/26/avira auto immune false positive http://www.bit-tech.net/news/bits/2010/08/11/avira-blocks-bitdefenderbeta/1 http://www.2-spyware.com/news/post435.html http://securityandthe.net/2008/11/10/avg-virus-scanner-removes-criticalwindows-file/



http://www.news.com/Kaspersky-inadvertently-quarantines-Windows-Explorer/2100-1002 3-6223836.html?part=rss&tag=2547-1 3-0-5&subj=news http://www.theregister.co.uk/2009/07/03/mcafee false positive glitch/ http://www.virus.gr/portal/en/content/norman-raises-false-alarm-windowspcs http://www.infosecurity-us.com/view/6777/kaspersky-inadvertently-blocks-

google-ads/

Are you dealing with Compile Error Hidden Module?

Try to check the below link:

<u>http://www.codedawn.com/index/-compile-error-in-hidden-module-</u> <u>message-in-excel</u>

<u>http://www.mrexcel.com/forum/excel-questions/629554-compile-error-hidden-module-thisworkbook.html</u>

http://support.microsoft.com/en-us/kb/307410

Contact Us

As well you could check some videos about this software at the page below:

>> <u>SurveyorMates</u> <<

For more information and suggestion about this software please contact us by email <u>support@sevensurveyor.com</u>.

Your idea is valuable to develop and improve this software; we would be pleasant to receive your email soon.

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