



ARC SURVEYING & MAPPING INC.
PRE-DREDGE QUANTITY TABULATION FOR
ISLE OF PALMS NORTH
LOCATED IN DUVAL COUNTY, FLORIDA

July 17, 2020

Total Quantity Summary
ARC JOB NO. 2020-0077

ARC SURVEYING'S
VOLUME CALCULATIONS IN CUBIC YARDS

SURVEY DATED: JUNE 23 THRU JULY 7, 2020

	5' TEMPLATE	AREA BETWEEN -5' AND -6' TEMPLATE	TOTAL MATERIAL
BASELINE - 1	7,288	4,761	12,049
BASELINE - 2	10,738	3,948	14,686
BASELINE - 3	3,023	1,063	4,086
BASELINE - 4	2,266	657	2,923
BASELINE - 5	3,422	1,536	4,958
BASELINE - 6	4,200	1,160	5,360
BASELINE - 7	14,471	5,833	20,304
TOTALS	45,408	18,958	64,366

ARC SURVEYING & MAPPING INC.

July 17, 2020

PRE-DREDGE QUANTITY TABULATION FOR ISLE OF PALMS NORTH
 LOCATED IN DUVAL COUNTY,FLORIDA
 FOR STATIONS 0+00 THRU 36+20.
 WITH SIDE SLOPES AT 3:1 AND A DEPTH OF -5 FEET

SURVEY BASELINE 1 ARC JOB NO. 2020-0077
SURVEY DATED: JUNE 23 THRU JULY 7, 2020

	STATION	END AREA SQ. FT.	CUBIC YARDS	TOTAL CUBIC YARDS VOLUME
	00+00	0	0	0.0
	00+50	0	0.00	0.0
	01+00	0	0.00	0.0
	01+50	0	0.00	0.0
	02+00	20	18.52	18.5
	02+50	29.5	45.83	64.4
	03+00	44	68.06	132.4
	03+50	11.2	51.11	183.5
	04+00	0	10.37	193.9
	04+50	18.8	17.41	211.3
Forward Station	05+00	36.2	50.93	262.2
Begin Dock	05+00	36.2	0.07	262.3
End Dock	05+21	25.3	23.94	286.2
Back Station	05+21	25.3	0.02	286.2
	05+50	23	25.86	312.1
	06+00	19.7	39.54	351.6
Forward Station	06+10	17.2	6.89	358.5
Begin Dock	06+10	17.2	0.01	358.5
End Dock	06+39	16.9	18.54	377.1
Back Station	06+39	16.9	0.01	377.1
	06+50	17.7	6.75	383.8
	07+00	0.6	16.94	400.8
	07+50	4.1	4.35	405.1
	08+00	10.1	13.15	418.3
	08+50	15.2	23.43	441.7
	09+00	18.8	31.48	473.2
	09+50	16.1	32.31	505.5
	10+00	15.3	29.07	534.6
Forward Station	10+08	17.9	4.64	539.2
Begin Dock	10+08	17.9	0.01	539.2
End Dock	10+47	32	36.09	575.3
Back Station	10+47	32	0.01	575.3
	10+50	33.3	4.09	579.4
	11+00	91.9	115.93	695.3
Forward Station	11+13	80.3	40.79	736.1
Begin Dock	11+13	80.3	0.03	736.2
End Dock	11+28	71.2	43.77	779.9
Back Station	11+28	71.2	0.03	779.9

	11+50	63.1	53.70	833.6
Forward Station	12+00	64.8	118.43	952.1
Begin Dock	12+00	64.5	0.65	952.7
End Dock	12+25	34.4	44.61	997.3
Back Station	12+25	34.4	0.01	997.3
	12+50	0.8	16.53	1013.9
	13+00	71	66.48	1080.4
	13+50	0	65.74	1146.1
	14+00	83.2	77.04	1223.1
	14+50	49	122.41	1345.5
	15+00	35.3	78.06	1423.6
Forward Station	15+07	34.1	8.46	1432.1
Begin Dock	15+07	34.1	0.01	1432.1
End Dock	15+26	31.3	23.82	1455.9
Back Station	15+26	31.3	0.01	1455.9
	15+50	30.3	27.07	1483.0
Forward Station	15+94	34.5	52.70	1535.7
Begin Dock	15+94	34.5	0.01	1535.7
Dock	16+00	29.3	7.17	1542.9
End Dock	16+34	19.4	30.28	1573.1
Back Station	16+34	19.4	0.01	1573.1
	16+50	17.3	11.15	1584.3
	17+00	19.7	34.26	1618.6
	17+50	3.4	21.39	1639.9
	18+00	66.1	64.35	1704.3
	18+50	136.2	187.31	1891.6
	19+00	199.7	311.02	2202.6
	19+50	100.9	278.33	2481.0
	20+00	48	137.87	2618.8
	20+50	16.8	60.00	2678.8
	21+00	2.8	18.15	2697.0
	21+50	16.2	17.59	2714.6
	22+00	0.3	15.28	2729.9
	22+50	8.1	7.78	2737.6
	23+00	19.9	25.93	2763.6
	23+50	8	25.83	2789.4
	24+00	15.7	21.94	2811.3
	24+50	22.4	35.28	2846.6
	25+00	5.1	25.46	2872.1
	25+50	23.5	26.48	2898.6
	26+00	59.2	76.57	2975.1
	26+50	124	169.63	3144.8
	27+00	125.5	231.02	3375.8
	27+50	141.3	247.04	3622.8
	28+00	61.2	187.50	3810.3
	28+50	140.6	186.85	3997.2
	29+00	113.4	235.19	4232.4
	29+50	86.7	185.28	4417.6
	30+00	52.7	129.07	4546.7
	30+50	91.1	133.15	4679.9
	31+00	80.8	159.17	4839.0
	31+50	107.3	174.17	5013.2
	32+00	123	213.24	5226.4

32+50	65.4	174.44	5400.9
33+00	104.4	157.22	5558.1
33+50	82.2	172.78	5730.9
34+00	73.2	143.89	5874.8
34+50	73.3	135.65	6010.4
35+00	126.4	184.91	6195.3
35+50	184.6	287.96	6483.3
36+00	335	481.11	6964.4
36+20	538	323.33	7287.7

TOTAL QUANTITY TO BE EXCAVATED = **7287.72** CUBIC YARDS

ARC SURVEYING & MAPPING INC.

July 17, 2020

PRE-DREDGE QUANTITY TABULATION FOR ISLE OF PALMS NORTH
 LOCATED IN DUVAL COUNTY,FLORIDA
 FOR STATIONS 0+00 THRU 30+00.
 WITH SIDE SLOPES AT 3:1 AND A DEPTH OF -5 FEET

SURVEY BASELINE 2 ARC JOB NO. 2020-0077
SURVEY DATED: JUNE 23 THRU JULY 7, 2020

	STATION	END AREA SQ. FT.	CUBIC YARDS	TOTAL CUBIC YARDS VOLUME
	00+00	0	0.00	0
	00+50	88.8	82.22	82.22
	01+00	95	170.19	252.41
	01+50	121.4	200.37	452.78
	02+00	87.5	193.43	646.20
	02+50	130.5	201.85	848.06
	03+00	111.5	224.07	1072.13
	03+50	117.9	212.41	1284.54
	04+00	131.6	231.02	1515.56
Forward Station	04+33	130	159.24	1674.79
Dock Station	04+33	130	0.10	1674.89
Dock Station	04+50	128.4	81.87	1756.76
Dock Station	04+53	128.6	12.66	1769.42
Back Station	04+53	128.6	0.10	1769.52
Forward Station	04+92	110.8	175.69	1945.21
Dock Station	04+92	114.6	0.04	1945.25
Dock Station	05+00	123.2	33.82	1979.07
Dock Station	05+27	119.2	120.30	2099.38
Back Station	05+27	119.2	0.04	2099.42
	05+50	112.1	99.33	2198.75
	06+00	124.1	218.70	2417.45
	06+50	116.7	222.96	2640.42
	07+00	122.1	221.11	2861.53
	07+50	123.4	227.31	3088.84
	08+00	133.2	237.59	3326.44
	08+50	109.3	224.54	3550.97
	09+00	118.7	211.11	3762.08
	09+50	108.4	210.28	3972.36
	10+00	110.3	202.50	4174.86
	10+50	58.6	156.39	4331.25
	11+00	94.3	141.57	4472.82
	11+50	87.9	168.70	4641.53
	12+00	114.2	187.13	4828.66
	12+50	68.2	168.89	4997.55
	13+00	106.7	161.94	5159.49
	13+50	103.2	194.35	5353.84
	14+00	48.8	140.74	5494.58
	14+50	86.1	124.91	5619.49

	15+00	91.4	164.35	5783.84
	15+50	70.4	149.81	5933.66
	16+00	55.4	116.48	6050.14
	16+50	121.2	163.52	6213.66
	17+00	115.7	219.35	6433.01
	17+50	67.3	169.44	6602.45
	18+00	89.7	145.37	6747.82
	18+50	99.8	175.46	6923.29
	19+00	106.9	191.39	7114.68
	19+50	90.2	182.50	7297.18
	20+00	108	183.52	7480.69
	20+50	97.1	189.91	7670.60
	21+00	68.9	153.70	7824.31
	21+50	70.5	129.07	7953.38
	22+00	102.3	160.00	8113.38
Forward Station	22+25	113.9	101.21	8214.59
Dock Station	22+25	89.2	0.04	8214.63
Dock Station	22+50	81.8	78.25	8292.88
Dock Station	23+00	97.8	164.63	8457.51
Back Station	23+00	97.8	0.04	8457.55
	23+00	97.9	1.78	8459.32
	23+50	66	151.76	8611.08
	24+00	76.4	131.85	8742.94
	24+50	104.4	167.41	8910.34
Forward Station	24+56	100.9	22.81	8933.15
Dock Station	24+56	66.8	0.00	8933.15
Dock Station	24+70	81.5	38.45	8971.60
Back Station	24+70	107.3	0.00	8971.60
	25+00	97	113.50	9085.10
	25+50	100.4	182.78	9267.88
	26+00	112.7	197.31	9465.20
	26+50	97.7	194.81	9660.01
	27+00	92	175.65	9835.66
	27+50	89.6	168.15	10003.81
	28+00	73.5	151.02	10154.82
	28+50	74	136.57	10291.40
	29+00	73.9	136.94	10428.34
	29+50	57.4	121.57	10549.92
	30+00	145.3	187.69	10737.60

TOTAL QUANTITY TO BE EXCAVATED =

10737.60

CUBIC YARDS

ARC SURVEYING & MAPPING INC.

July 17, 2020

PRE-DREDGE QUANTITY TABULATION FOR ISLE OF PALMS NORTH
 LOCATED IN DUVAL COUNTY,FLORIDA
 FOR STATIONS 0+40 THRU 10+96
 WITH SIDE SLOPES AT 3:1 AND A DEPTH OF -5 FEET

SURVEY BASELINE 3 ARC JOB NO. 2020-0077
SURVEY DATED: JUNE 23 THRU JULY 7, 2020

	STATION	END AREA SQ. FT.	CUBIC YARDS	TOTAL CUBIC YARDS VOLUME
	00+00	0	0	0
	00+50	14.6	13.52	13.52
	01+00	73	81.11	94.63
	01+50	86.1	147.31	241.94
	02+00	93.7	166.48	408.43
	02+50	83.9	164.44	572.87
	03+00	68.4	141.02	713.89
	03+50	82	139.26	853.15
Forward Station	03+59	82.6	27.13	880.28
Begin Dock	03+59	83	0.03	880.31
End Dock	03+78	82	58.88	939.19
Back Station	03+78	82.7	0.03	939.22
	04+00	77.4	64.66	1003.88
	04+50	50.7	118.61	1122.49
	05+00	74.6	116.02	1238.51
Forward Station	05+43	84.6	126.68	1365.19
Begin Dock	05+43	84.5	0.69	1365.88
	05+50	84.5	21.31	1387.19
End Dock	05+82	92.1	103.08	1490.28
Back Station	05+82	82.5	0.97	1491.25
	06+00	96.7	60.33	1551.58
	06+50	105.5	187.22	1738.80
	07+00	102.3	192.41	1931.21
	07+50	98	185.46	2116.67
	08+00	97.4	180.93	2297.60
	08+50	88.6	172.22	2469.82
	09+00	47.3	125.83	2595.65
	09+50	3.1	46.67	2642.32
	10+00	83.2	79.91	2722.23
	10+50	61	133.52	2855.74
	10+84	205.2	167.61	3023.35

TOTAL QUANTITY TO BE EXCAVATED = 3023 CUBIC YARDS

ARC SURVEYING & MAPPING INC.

July 17, 2020

PRE-DREDGE QUANTITY TABULATION FOR ISLE OF PALMS NORTH
LOCATED IN DUVAL COUNTY,FLORIDA
FOR STATIONS 0+00 THRU 6+32
WITH SIDE SLOPES AT 3:1 AND A DEPTH OF -5 FEET

SURVEY BASELINE 4 ARC JOB NO. 2020-0077
SURVEY DATED: JUNE 23 THRU JULY 7, 2020

STATION	END AREA SQ. FT.	CUBIC YARDS	TOTAL CUBIC YARDS VOLUME
00+00	0	0.0	0.0
00+50	99.8	92.4	92.4
01+00	107.1	191.6	284.0
01+50	102.5	194.1	478.1
02+00	106.9	193.9	671.9
02+50	108.9	199.8	871.8
03+00	99.8	193.2	1065.0
03+50	95.6	180.9	1245.9
04+00	102.9	183.8	1429.7
04+50	100.9	188.7	1618.4
05+00	100.1	186.1	1804.5
05+50	81.5	168.1	1972.7
06+00	94.4	162.9	2135.6
06+32	126.3	130.8	2266.3

TOTAL QUANTITY TO BE EXCAVATED = 2266.3 CUBIC YARDS

ARC SURVEYING & MAPPING INC.

July 17, 2020

PRE-DREDGE QUANTITY TABULATION FOR ISLE OF PALMS NORTH
LOCATED IN DUVAL COUNTY,FLORIDA
FOR STATIONS 0+00 THRU 7+00
WITH SIDE SLOPES AT 3:1 AND A DEPTH OF -5 FEET

SURVEY BASELINE 5 ARC JOB NO. 2020-0077
SURVEY DATED: JUNE 23 THRU JULY 7, 2020

STATION	END AREA SQ. FT.	CUBIC YARDS	TOTAL CUBIC YARDS VOLUME
00+00	0	0.0	0.0
00+50	166.7	154.4	154.4
01+00	168.9	310.7	465.1
01+50	177.9	321.1	786.2
02+00	162.4	315.1	1101.3
02+50	133.9	274.4	1375.6
03+00	136.1	250.0	1625.6
03+50	141.3	256.9	1882.5
04+00	82.4	207.1	2089.6
04+50	126.2	193.1	2282.8
05+00	109	217.8	2500.6
05+50	105	198.1	2698.7
06+00	76.8	168.3	2867.0
06+50	108.2	171.3	3038.3
07+00	305.7	383.2	3421.6

TOTAL QUANTITY TO BE EXCAVATED = 3421.6 CUBIC YARDS

ARC SURVEYING & MAPPING INC.

July 17, 2020

PRE-DREDGE QUANTITY TABULATION FOR ISLE OF PALMS NORTH
LOCATED IN DUVAL COUNTY,FLORIDA
FOR STATIONS 0+00 THRU 10+73
WITH SIDE SLOPES AT 3:1 AND A DEPTH OF -5 FEET

SURVEY BASELINE 6 ARC JOB NO. 2020-0077
SURVEY DATED: JUNE 23 THRU JULY 7, 2020

STATION	END AREA SQ. FT.	CUBIC YARDS	TOTAL CUBIC YARDS VOLUME
00+00	0	0.0	0.0
00+50	147.2	136.3	136.3
01+00	137.9	264.0	400.3
01+50	129.4	247.5	647.8
02+00	69.4	184.1	831.9
02+50	129.8	184.4	1016.3
03+00	123.9	234.9	1251.2
03+50	131.1	236.1	1487.3
04+00	117.4	230.1	1717.4
04+50	124	223.5	1940.9
05+00	109.3	216.0	2156.9
05+50	113.8	206.6	2363.5
06+00	94.9	193.2	2556.8
06+50	94.2	175.1	2731.9
07+00	99.2	179.1	2910.9
07+50	93.2	178.1	3089.1
08+00	84.5	164.5	3253.6
08+50	85.4	157.3	3410.9
09+00	98	169.8	3580.7
09+50	91.8	175.7	3756.5
10+00	87.3	165.8	3922.3
10+50	94.8	168.6	4090.9
10+76	161	109.0	4199.9

TOTAL QUANTITY TO BE EXCAVATED = 4199.9 CUBIC YARDS

ARC SURVEYING & MAPPING INC.

July 17, 2020

PRE-DREDGE QUANTITY TABULATION FOR ISLE OF PALMS NORTH
LOCATED IN DUVAL COUNTY,FLORIDA
FOR STATIONS 0+00 THRU 37+20
WITH SIDE SLOPES AT 3:1 AND A DEPTH OF -5 FEET

SURVEY BASELINE 7 ARC JOB NO. 2020-0077
SURVEY DATED: JUNE 23 THRU JULY 7, 2020

STATION	END AREA SQ. FT.	CUBIC YARDS	TOTAL CUBIC YARDS VOLUME
00+00	0	0	0
00+50	0	0.00	0.00
01+00	0	0.00	0.00
01+50	0	0.00	0.00
02+00	0	0.00	0.00
02+50	69.3	64.17	64.17
03+00	123.6	178.61	242.78
03+50	100.6	207.59	450.37
04+00	133.3	216.57	666.94
04+50	129.2	243.06	910.00
05+00	122.1	232.69	1142.69
05+50	103.2	208.61	1351.30
06+00	95	183.52	1534.81
06+50	82.7	164.54	1699.35
07+00	95.4	164.91	1864.26
07+50	97.2	178.33	2042.59
08+00	55.6	141.48	2184.07
08+50	98.5	142.69	2326.76
09+00	126.8	208.61	2535.37
09+50	170	274.81	2810.19
10+00	134.5	281.94	3092.13
10+50	150.5	263.89	3356.02
11+00	67.9	202.22	3558.24
11+50	114.8	169.17	3727.41
12+00	58.7	160.65	3888.06
12+50	52.9	103.33	3991.39
13+00	67.6	111.57	4102.96
13+50	97.6	152.96	4255.93
14+00	109.2	191.48	4447.41
14+50	146.8	237.04	4684.44
15+00	161.1	285.09	4969.54
15+50	186.3	321.67	5291.20
16+00	118.5	282.22	5573.43
16+50	175.9	272.59	5846.02
17+00	103.7	258.89	6104.91
17+50	246	323.80	6428.70
18+00	41.2	265.93	6694.63
18+50	119.3	148.61	6843.24

	19+00	202.9	298.33	7141.57
	19+50	194.6	368.06	7509.63
	20+00	192	357.96	7867.59
	20+50	169	334.26	8201.85
	21+00	229.3	368.80	8570.65
	21+50	142.8	344.54	8915.19
	22+00	174.8	294.07	9209.26
	22+50	145.9	296.94	9506.20
	23+00	86	214.72	9720.93
	23+50	133	202.78	9923.70
	24+00	118.3	232.69	10156.39
	24+50	89.8	192.69	10349.07
	25+00	133.8	207.04	10556.11
	25+50	110.3	226.02	10782.13
	26+00	120.5	213.70	10995.83
	26+50	109	212.50	11208.33
	27+00	105.2	198.33	11406.67
	27+50	119	207.59	11614.26
	28+00	116.5	218.06	11832.31
	28+50	116.4	215.65	12047.96
	29+00	97.9	198.43	12246.39
	29+50	68	153.61	12400.00
	30+00	84	140.74	12540.74
	30+50	83.9	155.46	12696.20
	31+00	109	178.61	12874.81
	31+50	72	167.59	13042.41
	32+00	71	132.41	13174.81
Forward Station	32+29	66.3	73.74	13248.55
Dock Station	32+29	66.3	0.00	13248.55
	32+50	47	44.06	13292.61
Dock Station	32+62	63.4	24.53	13317.14
Back Station	32+62	75.4	0.00	13317.14
	33+00	94.4	119.49	13436.63
	33+50	63.5	146.20	13582.84
	34+00	79.4	132.31	13715.15
	34+50	34.9	105.83	13820.99
	35+00	66.8	94.17	13915.15
	35+50	65.9	122.87	14038.02
	36+00	20.9	80.37	14118.39
	36+50	68.4	82.69	14201.08
Forward Station	36+88	90.8	112.03	14313.11
Dock Station	36+88	90.8	0.00	14313.11
Dock Station	36+99	102.5	39.38	14352.48
Back Station	36+99	102.6	0.00	14352.48
	37+00	104.5	3.84	14356.32
	37+18	196	100.17	14456.49
	37+20	205.5	14.87	14471.36

TOTAL QUANTITY TO BE EXCAVATED = 14471.36 CUBIC YARDS



ARC SURVEYING & MAPPING INC.
PRE-DREDGE QUANTITY TABULATION FOR
ISLE OF PALMS NORTH
LOCATED IN DUVAL COUNTY,FLORIDA

July 17, 2020

Quantity Summary

ARC JOB NO. 2020-0077

ARC SURVEYING'S
VOLUME CALCULATIONS IN CUBIC YARDS
-5' GRADE TEMPLATE
SURVEY DATED: JUNE 23 THRU JULY 7, 2020

BASELINE - 1	7,288
BASELINE - 2	10,738
BASELINE - 3	3,023
BASELINE - 4	2,266
BASELINE - 5	3,422
BASELINE - 6	4,200
BASELINE - 7	14,471
TOTALS	45,408

ARC SURVEYING & MAPPING INC.

July 17, 2020

PRE-DREDGE QUANTITY TABULATION FOR ISLE OF PALMS NORTH
 LOCATED IN DUVAL COUNTY,FLORIDA
 FOR STATIONS 0+00 THRU 36+20.
 OVERDEPTH MATERIAL BETWEEN -5 AND -6 FEET

SURVEY BASELINE 1 ARC JOB NO. 2020-0077
SURVEY DATED: JUNE 23 THRU JULY 7, 2020

	STATION	END AREA SQ. FT.	CUBIC YARDS	TOTAL CUBIC YARDS VOLUME
	00+00	0	0	0.0
	00+50	0	0.00	0.0
	01+00	0	0.00	0.0
	01+50	0	0.00	0.0
	02+00	29.7	27.50	27.5
	02+50	32.2	57.31	84.8
	03+00	34.7	61.94	146.8
	03+50	34.9	64.44	211.2
	04+00	1.3	33.52	244.7
	04+50	10.3	10.74	255.5
Forward Station	05+00	11.3	20.00	275.5
Begin Dock	05+00	11.3	0.02	275.5
End Dock	05+21	10.9	8.64	284.1
Back Station	05+21	10.9	0.01	284.1
	05+50	9.1	10.71	294.8
	06+00	13.4	20.83	315.7
Forward Station	06+10	12.7	4.87	320.5
Begin Dock	06+10	12.7	0.00	320.6
End Dock	06+39	10.7	12.72	333.3
Back Station	06+39	10.7	0.01	333.3
	06+50	11.3	4.29	337.6
	07+00	3.3	13.52	351.1
	07+50	15.5	17.41	368.5
	08+00	20.4	33.24	401.7
	08+50	31.6	48.15	449.9
	09+00	32.7	59.54	509.4
	09+50	41.7	68.89	578.3
	10+00	37.1	72.96	651.3
Forward Station	10+08	39.5	10.71	662.0
Begin Dock	10+08	39.5	0.01	662.0
End Dock	10+47	55	68.34	730.3
Back Station	10+47	55	0.02	730.4
	10+50	56.4	6.97	737.3
	11+00	45.7	94.54	831.9
Forward Station	11+13	47.9	22.17	854.0
Begin Dock	11+13	48	0.02	854.1
End Dock	11+28	50.3	28.40	882.5
Back Station	11+28	50.3	0.02	882.5

	11+50	52.8	41.22	923.7
Forward Station	12+00	38.4	84.44	1008.1
Begin Dock	12+00	38.4	0.38	1008.5
End Dock	12+25	40.5	35.59	1044.1
Back Station	12+25	40.5	0.01	1044.1
	12+50	27	31.70	1075.8
	13+00	32.8	55.37	1131.2
	13+50	11.6	41.11	1172.3
	14+00	40.3	48.06	1220.4
	14+50	40.2	74.54	1294.9
	15+00	36.9	71.39	1366.3
Forward Station	15+07	36	8.88	1375.2
Begin Dock	15+07	36	0.01	1375.2
End Dock	15+26	33.1	25.17	1400.4
Back Station	15+26	33.1	0.01	1400.4
	15+50	29.4	27.47	1427.8
Forward Station	15+94	21.2	41.15	1469.0
Begin Dock	15+94	21.2	0.01	1469.0
Dock	16+00	19.1	4.53	1473.5
End Dock	16+34	13.8	20.46	1494.0
Back Station	16+34	13.8	0.01	1494.0
	16+50	11.9	7.81	1501.8
	17+00	12	22.13	1523.9
	17+50	10.3	20.65	1544.6
	18+00	34.2	41.20	1585.8
	18+50	49	77.04	1662.8
	19+00	59.6	100.56	1763.4
	19+50	34.2	86.85	1850.2
	20+00	29.9	59.35	1909.6
	20+50	22.3	48.33	1957.9
	21+00	7.8	27.87	1985.8
	21+50	16	22.04	2007.8
	22+00	19.4	32.78	2040.6
	22+50	18.2	34.81	2075.4
	23+00	24.3	39.35	2114.8
	23+50	15.1	36.48	2151.2
	24+00	17.2	29.91	2181.2
	24+50	19.3	33.80	2214.9
	25+00	14.3	31.11	2246.1
	25+50	20.9	32.59	2278.7
	26+00	33	49.91	2328.6
	26+50	78.1	102.87	2431.4
	27+00	71.5	138.52	2569.9
	27+50	68.3	129.44	2699.4
	28+00	37.6	98.06	2797.4
	28+50	62	92.22	2889.7
	29+00	58.8	111.85	3001.5
	29+50	55.6	105.93	3107.4
	30+00	46.8	94.81	3202.3
	30+50	45.2	85.19	3287.4
	31+00	46.5	84.91	3372.4
	31+50	48.3	87.78	3460.1
	32+00	49.9	90.93	3551.1

32+50	45.3	88.15	3639.2
33+00	52.9	90.93	3730.1
33+50	49.2	94.54	3824.7
34+00	50.1	91.94	3916.6
34+50	57.7	99.81	4016.4
35+00	84.1	131.30	4147.7
35+50	118.9	187.96	4335.7
36+00	183.2	279.72	4615.4
36+20	210.5	145.81	4761.2

TOTAL QUANTITY TO BE EXCAVATED = **4761.23** CUBIC YARDS

ARC SURVEYING & MAPPING INC.

July 17, 2020

PRE-DREDGE QUANTITY TABULATION FOR ISLE OF PALMS NORTH
 LOCATED IN DUVAL COUNTY,FLORIDA
 FOR STATIONS 0+00 THRU 30+00.
 OVERDEPTH MATERIAL BETWEEN -5 AND -6 FEET

SURVEY BASELINE 2

ARC JOB NO. 2020-0077

SURVEY DATED: JUNE 23 THRU JULY 7, 2020

	STATION	END AREA SQ. FT.	CUBIC YARDS	TOTAL CUBIC YARDS VOLUME
	00+00	0	0.00	0
	00+50	31.2	28.89	28.89
	01+00	44.2	69.81	98.70
	01+50	44	81.67	180.37
	02+00	40.4	78.15	258.52
	02+50	43.6	77.78	336.30
	03+00	43.5	80.65	416.94
	03+50	43.2	80.28	497.22
	04+00	43.1	79.91	577.13
Forward Station	04+33	42.9	52.35	629.48
Dock Station	04+33	42.9	0.03	629.51
Dock Station	04+50	42.8	27.15	656.66
Dock Station	04+53	42.9	4.22	660.89
Back Station	04+53	42.9	0.03	660.92
Forward Station	04+92	42.7	62.82	723.74
Dock Station	04+92	42.7	0.02	723.75
Dock Station	05+00	42.6	12.13	735.89
Dock Station	05+27	42.5	42.23	778.12
Back Station	05+27	42.5	0.02	778.14
	05+50	42.5	36.50	814.64
	06+00	42.3	78.52	893.16
	06+50	42.1	78.15	971.31
	07+00	41.9	77.78	1049.08
	07+50	41.7	77.41	1126.49
	08+00	41.5	77.04	1203.53
	08+50	41.3	76.67	1280.19
	09+00	41.1	76.30	1356.49
	09+50	40.9	75.93	1432.42
	10+00	40.8	75.65	1508.06
	10+50	28.6	64.26	1572.32
	11+00	40.4	63.89	1636.21
	11+50	39	73.52	1709.73
	12+00	40	73.15	1782.88
	12+50	28.8	63.70	1846.58
	13+00	39.5	63.24	1909.82
	13+50	39.4	73.06	1982.88
	14+00	28.3	62.69	2045.56
	14+50	39	62.31	2107.88

	15+00	38.8	72.04	2179.92
	15+50	38.6	71.67	2251.58
	16+00	28.4	62.04	2313.62
	16+50	32.7	56.57	2370.19
	17+00	32.8	60.65	2430.84
	17+50	25.7	54.17	2485.01
	18+00	32.7	54.07	2539.08
	18+50	32.8	60.65	2599.73
	19+00	32.7	60.65	2660.38
	19+50	32.7	60.56	2720.94
	20+00	32.7	60.56	2781.49
	20+50	32.8	60.65	2842.14
	21+00	25	53.52	2895.66
	21+50	28.7	49.72	2945.38
	22+00	32.7	56.85	3002.23
Forward Station	22+25	32.7	30.62	3032.85
Dock Station	22+25	32.7	0.01	3032.86
Dock Station	22+50	31.6	29.42	3062.28
Dock Station	23+00	32.7	58.94	3121.23
Back Station	23+00	32.7	0.01	3121.24
	23+00	32.8	0.59	3121.83
	23+50	28	56.30	3178.13
	24+00	32.7	56.20	3234.33
	24+50	32.7	60.56	3294.89
Forward Station	24+56	32.7	7.27	3302.15
Dock Station	24+56	27.8	0.00	3302.15
Dock Station	24+70	31.6	15.40	3317.55
Back Station	24+70	32.7	0.00	3317.55
	25+00	32.7	36.33	3353.89
	25+50	32.7	60.56	3414.44
	26+00	32.7	60.56	3475.00
	26+50	32.7	60.56	3535.55
	27+00	32.7	60.56	3596.11
	27+50	32.7	60.56	3656.67
	28+00	31.5	59.44	3716.11
	28+50	32.7	59.44	3775.55
	29+00	32.8	60.65	3836.20
	29+50	27.8	56.11	3892.31
	30+00	32.7	56.02	3948.33

TOTAL QUANTITY TO BE EXCAVATED =

3948.33

CUBIC YARDS

ARC SURVEYING & MAPPING INC.

July 17, 2020

PRE-DREDGE QUANTITY TABULATION FOR ISLE OF PALMS NORTH
 LOCATED IN DUVAL COUNTY,FLORIDA
 FOR STATIONS 0+40 THRU 10+96
 OVERDEPTH MATERIAL BETWEEN -5 AND -6 FEET

SURVEY BASELINE 3

ARC JOB NO. 2020-0077

SURVEY DATED: JUNE 23 THRU JULY 7, 2020

	STATION	END AREA SQ. FT.	CUBIC YARDS	TOTAL CUBIC YARDS VOLUME
	00+00	0	0	0
	00+50	29.6	27.41	27.41
	01+00	29.6	54.81	82.22
	01+50	29.6	54.81	137.04
	02+00	29.7	54.91	191.94
	02+50	29.6	54.91	246.85
	03+00	29.6	54.81	301.67
	03+50	29.6	54.81	356.48
Forward Station	03+59	29.7	9.77	366.26
Begin Dock	03+59	29.7	0.01	366.27
End Dock	03+78	29.7	21.20	387.46
Back Station	03+78	29.7	0.01	387.47
	04+00	29.7	23.99	411.47
	04+50	29.6	54.91	466.37
	05+00	29.6	54.81	521.19
Forward Station	05+43	29.6	47.11	568.30
Begin Dock	05+43	29.7	0.24	568.54
	05+50	29.6	7.48	576.02
End Dock	05+82	29.6	34.56	610.57
Back Station	05+82	29.7	0.33	610.90
	06+00	29.6	19.96	630.86
	06+50	29.6	54.81	685.68
	07+00	29.7	54.91	740.59
	07+50	29.7	55.00	795.59
	08+00	29.6	54.91	850.49
	08+50	29.6	54.81	905.31
	09+00	20	45.93	951.23
	09+50	15.4	32.78	984.01
	10+00	19.7	32.50	1016.51
	10+50	10.3	27.78	1044.29
	10+84	19.6	18.83	1063.12

TOTAL QUANTITY TO BE EXCAVATED =

1063

CUBIC YARDS

ARC SURVEYING & MAPPING INC.

July 17, 2020

PRE-DREDGE QUANTITY TABULATION FOR ISLE OF PALMS NORTH
LOCATED IN DUVAL COUNTY,FLORIDA
FOR STATIONS 0+00 THRU 6+32
OVERDEPTH MATERIAL BETWEEN -5 AND -6 FEET

SURVEY BASELINE 4 ARC JOB NO. 2020-0077
SURVEY DATED: JUNE 23 THRU JULY 7, 2020

STATION	END AREA SQ. FT.	CUBIC YARDS	TOTAL CUBIC YARDS VOLUME
00+00	0.0	0.0	0.0
00+50	29.2	27.0	27.0
01+00	29.3	54.2	81.2
01+50	29.3	54.3	135.5
02+00	29.2	54.2	189.6
02+50	29.2	54.1	243.7
03+00	29.2	54.1	297.8
03+50	29.2	54.1	351.9
04+00	29.2	54.1	405.9
04+50	29.3	54.2	460.1
05+00	29.3	54.3	514.4
05+50	29.2	54.2	568.5
06+00	29.3	54.2	622.7
06+32	29.2	34.7	657.4

TOTAL QUANTITY TO BE EXCAVATED = 657.4 CUBIC YARDS

ARC SURVEYING & MAPPING INC.

July 17, 2020

PRE-DREDGE QUANTITY TABULATION FOR ISLE OF PALMS NORTH
LOCATED IN DUVAL COUNTY,FLORIDA
FOR STATIONS 0+00 THRU 7+00
OVERDEPTH MATERIAL BETWEEN -5 AND -6 FEET

SURVEY BASELINE 5 ARC JOB NO. 2020-0077
SURVEY DATED: JUNE 23 THRU JULY 7, 2020

STATION	END AREA SQ. FT.	CUBIC YARDS	TOTAL CUBIC YARDS VOLUME
00+00	0.0	0.0	0.0
00+50	62.7	58.1	58.1
01+00	62.7	116.1	174.2
01+50	62.7	116.1	290.3
02+00	62.7	116.1	406.4
02+50	62.8	116.2	522.6
03+00	62.7	116.2	638.8
03+50	62.8	116.2	755.0
04+00	53.3	107.5	862.5
04+50	62.7	107.4	969.9
05+00	62.7	116.1	1086.0
05+50	62.7	116.1	1202.1
06+00	56.2	110.1	1312.2
06+50	62.7	110.1	1422.3
07+00	60.1	113.7	1536.0

TOTAL QUANTITY TO BE EXCAVATED = 1536.0 CUBIC YARDS

ARC SURVEYING & MAPPING INC.

July 17, 2020

PRE-DREDGE QUANTITY TABULATION FOR ISLE OF PALMS NORTH
LOCATED IN DUVAL COUNTY,FLORIDA
FOR STATIONS 0+00 THRU 10+73
OVERDEPTH MATERIAL BETWEEN -5 AND -6 FEET

SURVEY BASELINE 6 ARC JOB NO. 2020-0077
SURVEY DATED: JUNE 23 THRU JULY 7, 2020

STATION	END AREA SQ. FT.	CUBIC YARDS	TOTAL CUBIC YARDS VOLUME
00+00	0	0.0	0.0
00+50	40.2	37.2	37.2
01+00	35.8	70.4	107.6
01+50	35.2	65.7	173.3
02+00	22.9	53.8	227.1
02+50	33.9	52.6	279.7
03+00	33.3	62.2	341.9
03+50	32.8	61.2	403.1
04+00	32.1	60.1	463.2
04+50	31.5	58.9	522.1
05+00	30.9	57.8	579.9
05+50	30.3	56.7	636.6
06+00	29.6	55.5	692.0
06+50	29.1	54.4	746.4
07+00	28.4	53.2	799.6
07+50	27.8	52.0	851.7
08+00	27.2	50.9	902.6
08+50	26.6	49.8	952.4
09+00	26	48.7	1001.1
09+50	25.3	47.5	1048.6
10+00	24.7	46.3	1094.9
10+50	24.1	45.2	1140.1
10+76	23.2	20.1	1160.2

TOTAL QUANTITY TO BE EXCAVATED = 1160.2 CUBIC YARDS

ARC SURVEYING & MAPPING INC.

July 17, 2020

PRE-DREDGE QUANTITY TABULATION FOR ISLE OF PALMS NORTH
LOCATED IN DUVAL COUNTY,FLORIDA
FOR STATIONS 0+00 THRU 37+20
OVERDEPTH MATERIAL BETWEEN -5 AND -6 FEET

SURVEY BASELINE 7 ARC JOB NO. 2020-0077
SURVEY DATED: JUNE 23 THRU JULY 7, 2020

STATION	END AREA SQ. FT.	CUBIC YARDS	TOTAL CUBIC YARDS VOLUME
00+00	0	0	0
00+50	0	0.00	0.00
01+00	0	0.00	0.00
01+50	0	0.00	0.00
02+00	0	0.00	0.00
02+50	31.5	29.17	29.17
03+00	31.5	58.33	87.50
03+50	29.9	56.85	144.35
04+00	31.4	56.76	201.11
04+50	31.4	58.15	259.26
05+00	31.5	58.24	317.50
05+50	31.4	58.24	375.74
06+00	31.5	58.24	433.98
06+50	31.5	58.33	492.31
07+00	31.4	58.24	550.56
07+50	38.4	64.63	615.19
08+00	28.7	62.13	677.31
08+50	37.2	61.02	738.33
09+00	47.7	78.61	816.94
09+50	47.4	88.06	905.00
10+00	47.1	87.50	992.50
10+50	46.9	87.04	1079.54
11+00	41.4	81.76	1161.30
11+50	46.4	81.30	1242.59
12+00	45.8	85.37	1327.96
12+50	39.2	78.70	1406.67
13+00	37.8	71.30	1477.96
13+50	47.6	79.07	1557.04
14+00	49.7	90.09	1647.13
14+50	51.7	93.89	1741.02
15+00	53.7	97.59	1838.61
15+50	55.8	101.39	1940.00
16+00	56	103.52	2043.52
16+50	59.9	107.31	2150.83
17+00	50.3	102.04	2252.87
17+50	82.6	123.06	2375.93
18+00	65.7	137.31	2513.24
18+50	76.1	131.30	2644.54

	19+00	72.5	137.59	2782.13
	19+50	66.8	128.98	2911.11
	20+00	61	118.33	3029.44
	20+50	55.3	107.69	3137.13
	21+00	65.7	112.04	3249.17
	21+50	50	107.13	3356.30
	22+00	51.7	94.17	3450.46
	22+50	43.3	87.96	3538.43
	23+00	34.3	71.85	3610.28
	23+50	41.1	69.81	3680.09
	24+00	41.3	76.30	3756.39
	24+50	39	74.35	3830.74
	25+00	41.7	74.72	3905.46
	25+50	41.8	77.31	3982.78
	26+00	42	77.59	4060.37
	26+50	42.2	77.96	4138.33
	27+00	42.3	78.24	4216.57
	27+50	42.5	78.52	4295.09
	28+00	42.7	78.89	4373.98
	28+50	42.8	79.17	4453.15
	29+00	43	79.44	4532.59
	29+50	43.2	79.81	4612.41
	30+00	43.3	80.09	4692.50
	30+50	43.6	80.46	4772.96
	31+00	43.7	80.83	4853.80
	31+50	43.9	81.11	4934.91
	32+00	44	81.39	5016.30
Forward Station	32+29	44.1	47.31	5063.61
Dock Station	32+29	44.1	0.00	5063.61
	32+50	37.1	31.58	5095.19
Dock Station	32+62	44.2	18.07	5113.25
Back Station	32+62	44.2	0.00	5113.25
	33+00	44.3	62.28	5175.53
	33+50	39	77.13	5252.66
	34+00	44.7	77.50	5330.16
	34+50	38.1	76.67	5406.83
	35+00	45.1	77.04	5483.86
	35+50	45.2	83.61	5567.48
	36+00	34.3	73.61	5641.09
	36+50	45.5	73.89	5714.98
Forward Station	36+88	45.7	64.18	5779.15
Dock Station	36+88	45.7	0.00	5779.15
Dock Station	36+99	45.7	18.62	5797.77
Back Station	36+99	45.7	0.00	5797.77
	37+00	45.7	1.69	5799.46
	37+18	45.8	30.50	5829.96
	37+20	45.8	3.39	5833.36

TOTAL QUANTITY TO BE EXCAVATED = 5833.36 CUBIC YARDS



ARC SURVEYING & MAPPING INC.
PRE-DREDGE QUANTITY TABULATION FOR
ISLE OF PALMS NORTH
LOCATED IN DUVAL COUNTY,FLORIDA

July 17, 2020

Quantity Summary

ARC JOB NO. 2020-0077

ARC SURVEYING'S
VOLUME CALCULATIONS IN CUBIC YARDS
OVERDEPTH MATERIAL BETWEEN -5 AND -6 FEET
SURVEY DATED: JUNE 23 THRU JULY 7, 2020

BASELINE - 1	4,761
BASELINE - 2	3,948
BASELINE - 3	1,063
BASELINE - 4	657
BASELINE - 5	1,536
BASELINE - 6	1,160
BASELINE - 7	5,833
TOTALS	18,960