Città di Rapallo

RIQUALIFICAZIONE DEL GOLFO DI RAPALLO
con ripristino delle vie d'acqua di accesso
al Molo dei Primeri ed al Molo Duca degli Abruzzi
CUP J63H19000210002 - LOTTO 1

PERIZIA DI VARIANTE SENZA AUMENTO DI SPESA N° 1

ELABORATO:	TITOLO:
Tav. 6	QUADERNO DELLE SEZIONI CONTABILI MOLO SE E SCOGLIERA LUNGOMARE

RIF: 19-040

REVISIONI	DATA	OGGETTO
00	07/10/2021	CONSEGNA
01		
02		
03		

RED.: EA VER.: AR APPR.: GR

CAPOGRUPPO:

MarTech
Marine Technical Systems
Viale Trieste, 45/5 - 09123 Cagliari - Italy
Tel. +39 070 664202 - Fax +39 070 4604745
www.martech.it - e-mail: info@martech.it

ORDINE DEGLI INGEGNERI PROVINCIA DI CAGLIARI
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DIRETTORE DEI LAVORI
Ing. Andrea Ritossa

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gvdebellis@gmail.com
g.debellis@epap.sicurezzapostale.it

SarLand Srl
ingegneria e architettura

IMPRESA APPALTATRICE:

INFRA TECH
CONSORZIO STABILE

Consorzio Infra Tech Scarl

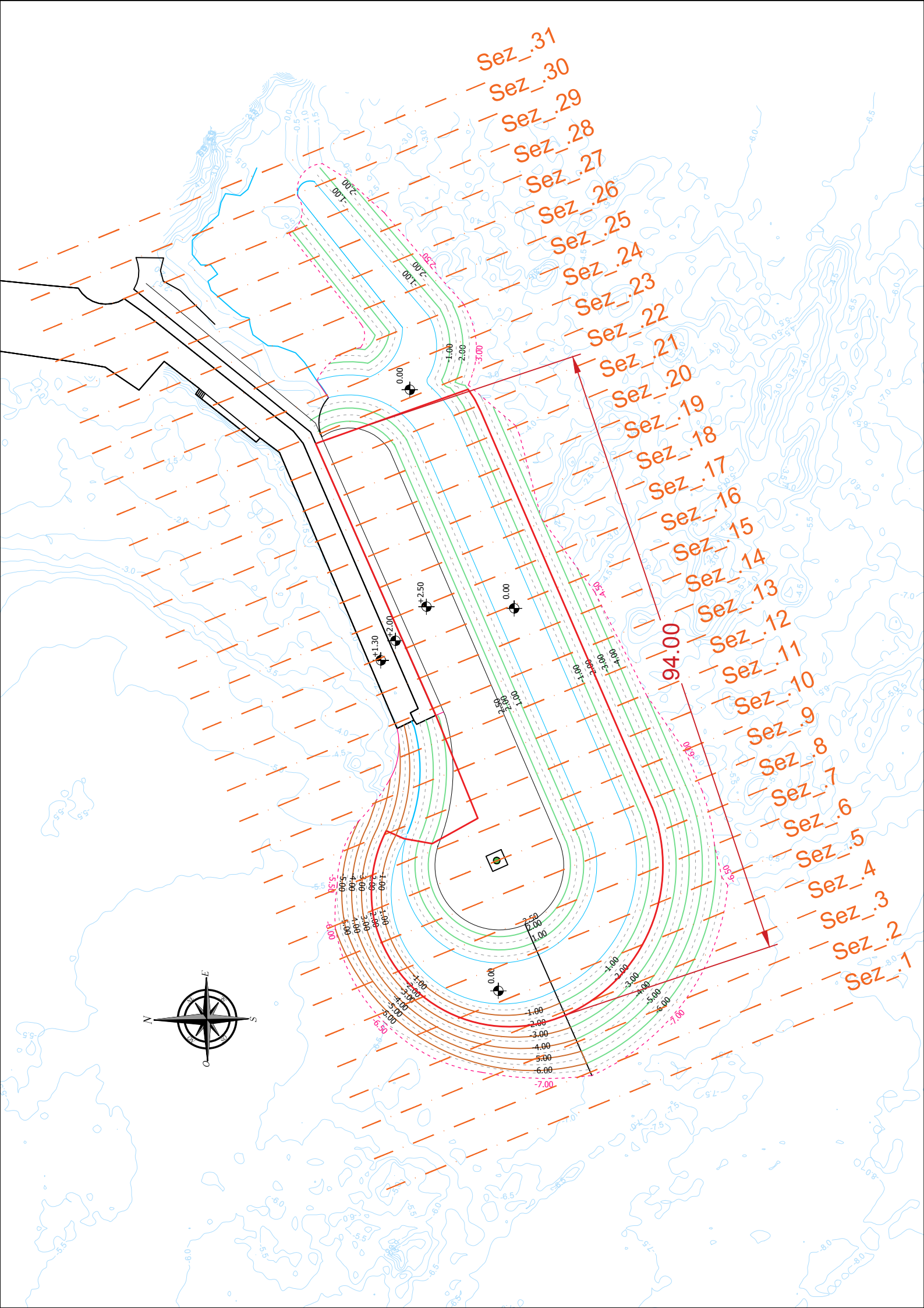
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Data: 07/10/2021 16:41:43

COMMITTENTE:

Il R.u.p.

Geom. Marco GROSSO

Il presente progetto, o parte di esso, non può essere riprodotto in alcuna forma, in alcun modo e per nessuno scopo, senza autorizzazione.


Sez_.31
Sez_.30
Sez_.29
Sez_.28
Sez_.27
Sez_.26
Sez_.25
Sez_.24
Sez_.23
Sez_.22
Sez_.21
Sez_.20
Sez_.19
Sez_.18
Sez_.17
Sez_.16
Sez_.15
Sez_.14
Sez_.13
Sez_.12
Sez_.11
Sez_.10
Sez_.9
Sez_.8
Sez_.7
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Sez_.4
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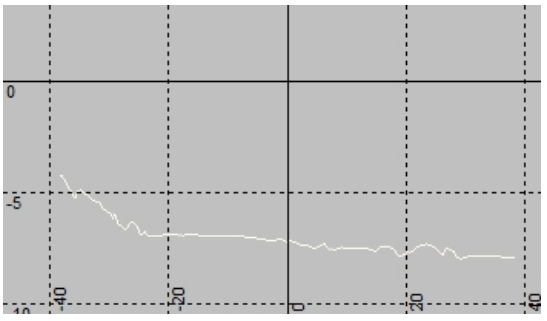
Volume computation: Molo SE_Variante

Data file: VarianteScogliera (Grid Models)
Reference file: Molo SE (Grid Models)
Clipping polygon: Sez_contabili

Totals	Volume		Vertical Area		Coverage
	Above	Below	Above	Below	[%]
Volume computation: Molo	13239.01	38.64	2647.80	7.73	51
Runlines file: Molo SE	13239.01	38.64	2647.80	7.73	51
Block: Sez_	13239.01	38.64	2647.80	7.73	51

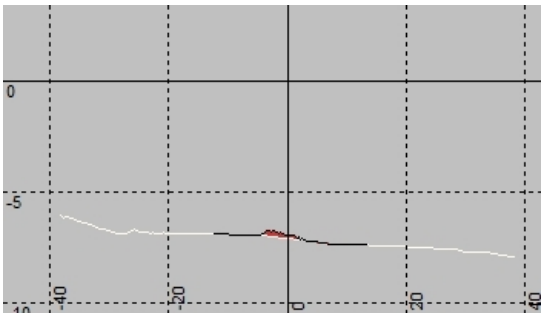
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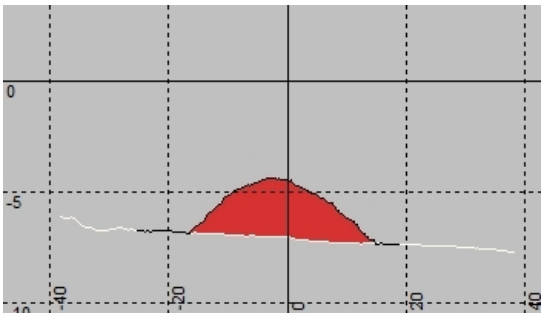
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Total	6.16	0.06	34



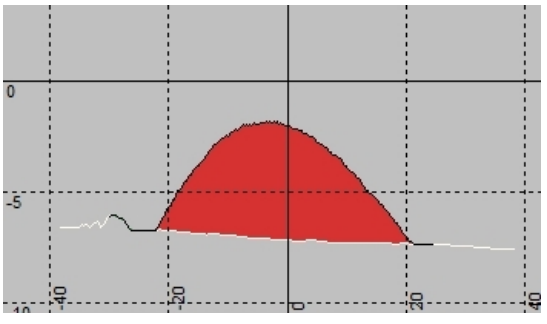
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Total	261.45	0.05	58



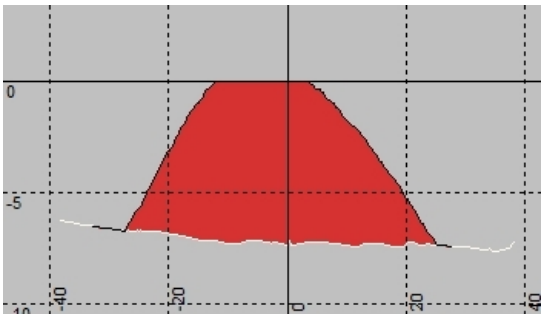
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Total	730.45	0.06	71



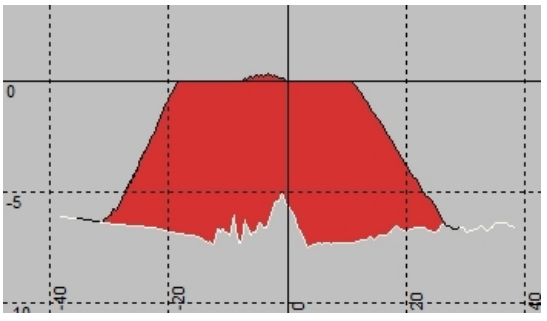
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Total	1291.12	0.03	79



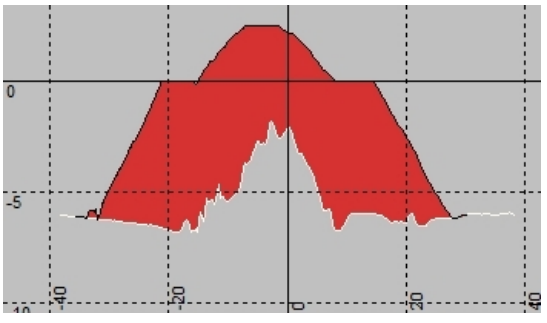
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Sections	Volume		Coverage
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Total	1484.27	0.03	83



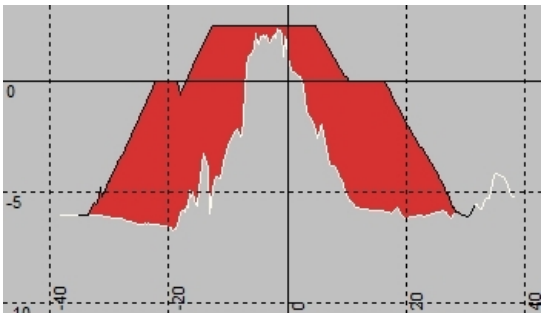
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Total	1462.88	0.03	86



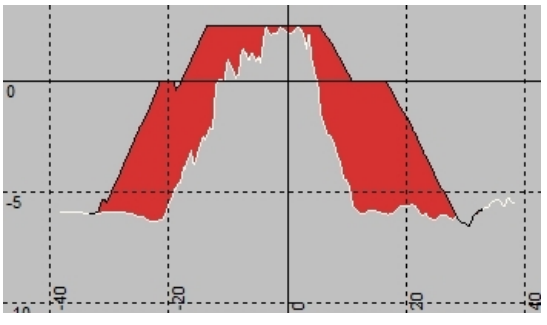
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Sections	Volume		Coverage
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Total	1211.95	0.03	87



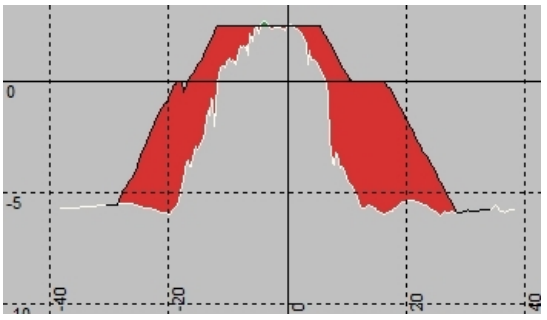
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Total	946.30	0.04	87



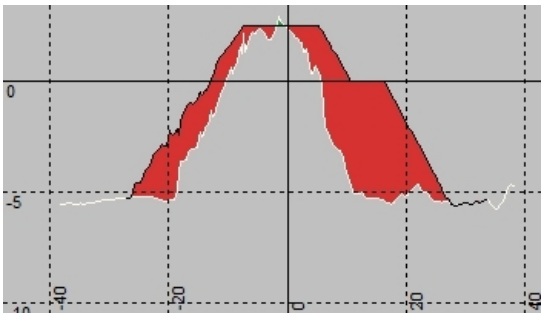
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Sections	Volume		Coverage
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Total	771.81	1.27	85



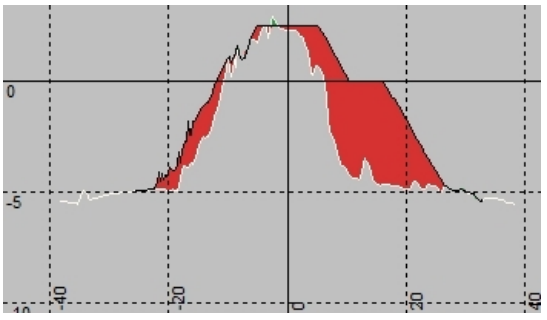
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Sections	Volume		Coverage
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Total	596.05	1.33	80



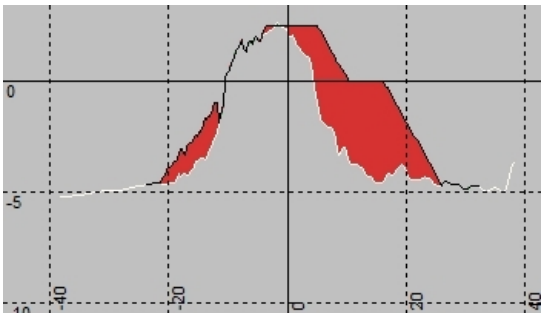
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Sections	Volume		Coverage
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Total	439.08	1.47	76



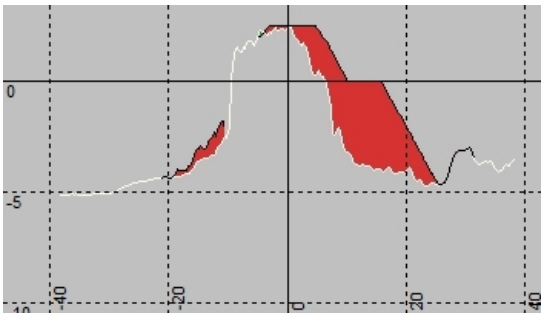
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Sections	Volume		Coverage
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Total	407.95	0.51	73



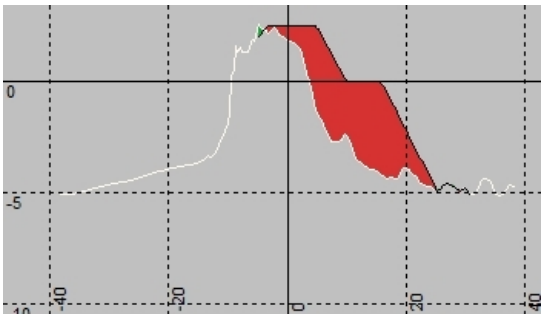
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Block: Sez_
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Sections	Volume		Coverage
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Total	321.62	0.58	61



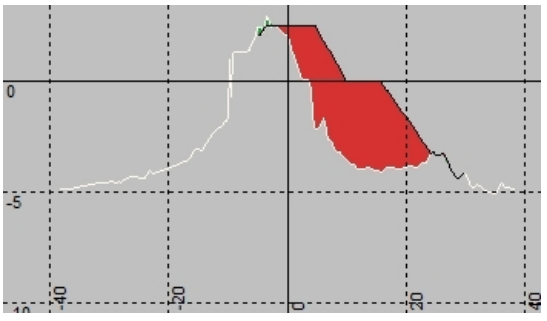
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Sections	Volume		Coverage
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Total	334.47	1.24	47



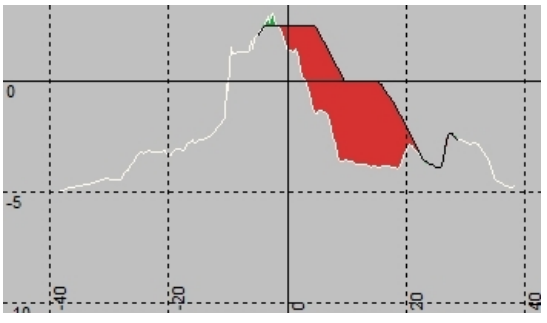
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Sections	Volume		Coverage
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Total	363.60	2.18	45



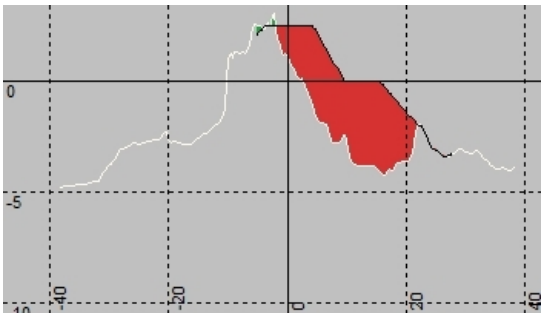
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Sections	Volume		Coverage
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Total	318.55	3.38	44



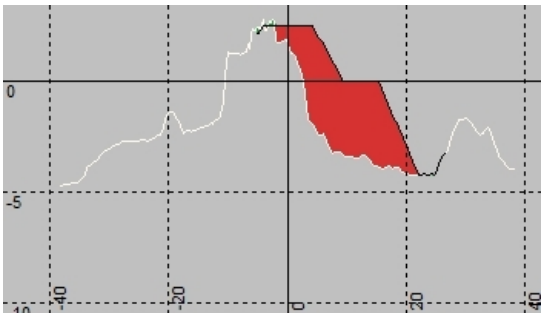
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Sections	Volume		Coverage
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Total	348.09	2.56	43



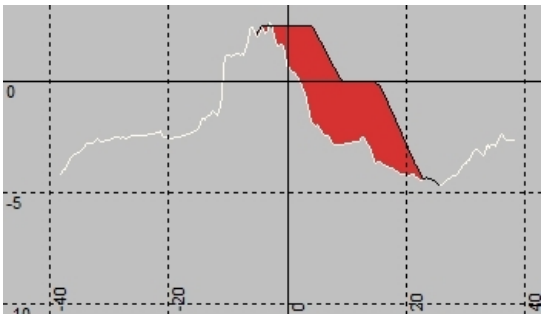
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Sections	Volume		Coverage
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Total	331.42	2.00	42



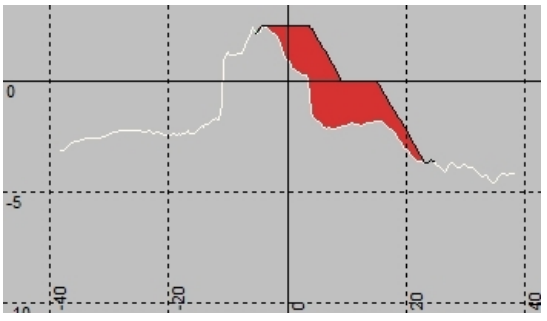
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Block: Sez_
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Sections	Volume		Coverage
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Total	320.19	0.14	40



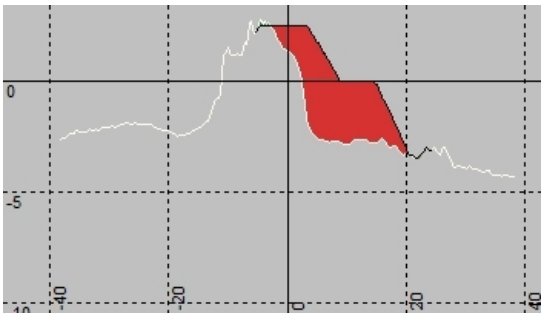
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Sections	Volume		Coverage
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Total	233.53	0.02	39



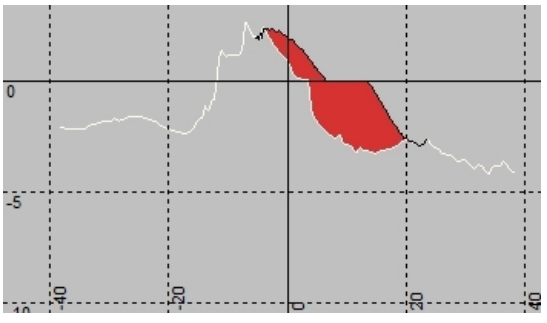
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Sections	Volume		Coverage
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Total	268.34	1.55	39



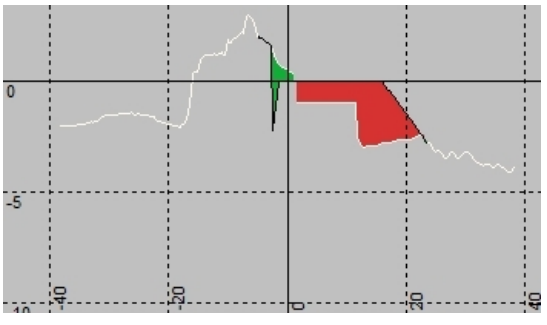
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Total	221.25	0.45	38



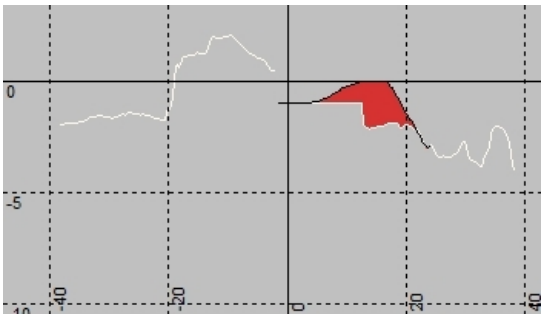
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Sections	Volume		Coverage
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Total	160.83	18.70	37



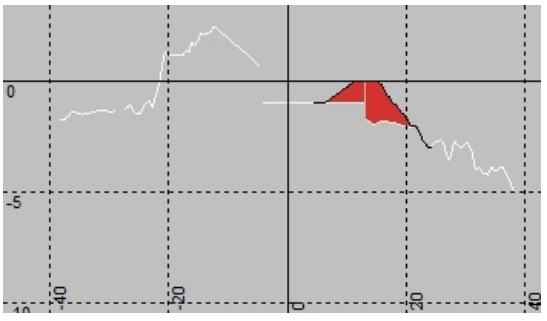
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Total	87.62	0.44	34



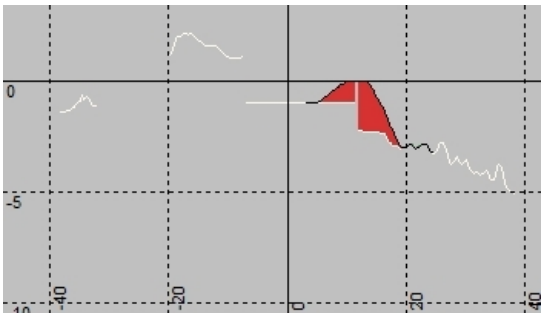
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Total	63.98	0.02	26



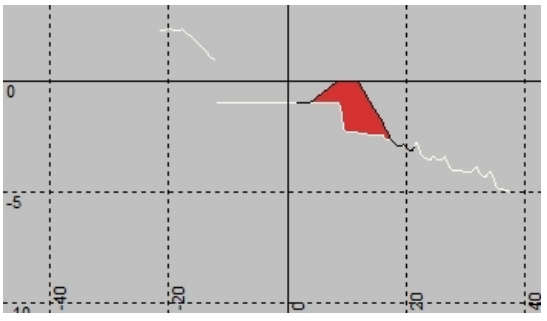
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Sections	Volume		Coverage
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Total	68.01	0.03	33



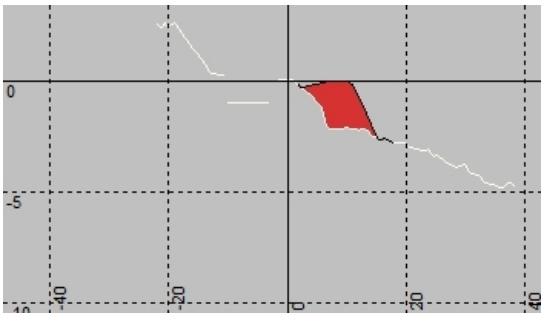
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Sections	Volume		Coverage
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Total	79.82	0.01	33



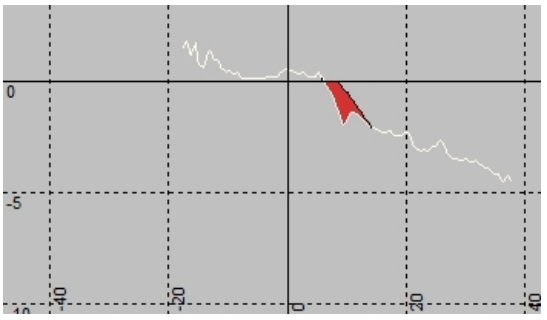
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Sections	Volume		Coverage
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Total	81.83	0.01	28



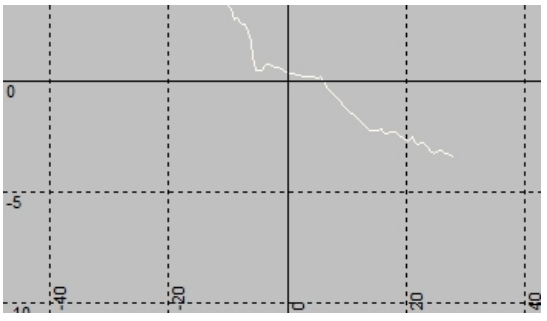
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Sections	Volume		Coverage
	Above	Below	[%]
Total	26.39	0.42	15



Runline File: Molo SE
Block: Sez_
Line: 31

Sections	Volume		Coverage
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Total	0.00	0.00	0



QUADERNO DELLE SEZIONI CONTABILI

MASSI 5000 – 7000 KG

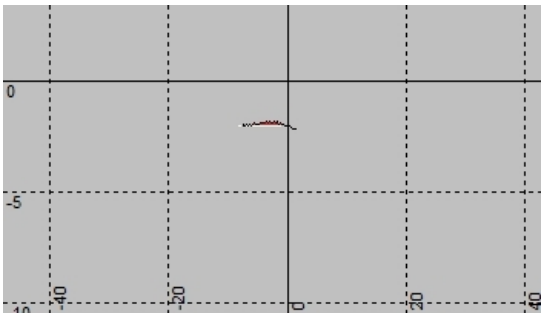
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Data file: VarianteScogliera (Grid Models)
Reference file: 5000-7000VarianteScogliera (Grid Models)
Clipping polygon: Sez_contabili5000-7000

Totals	Volume		Vertical Area		Coverage
	Above	Below	Above	Below	[%]
Volume computation: Molo	4967.86	20.16	993.57	4.03	37
Runlines file: Molo SE	4967.86	20.16	993.57	4.03	37
Block: Sez_	4967.86	20.16	993.57	4.03	37

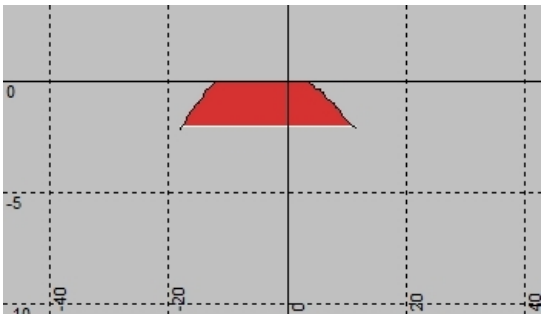
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Sections	Volume		Coverage
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Total	2.66	0.02	96



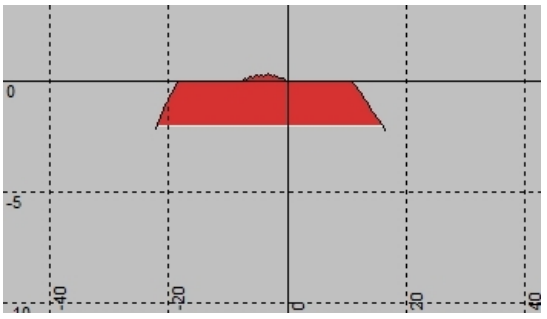
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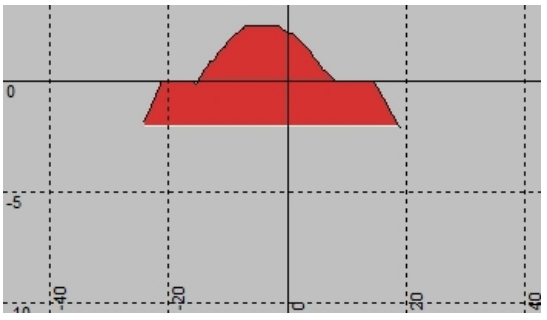
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Sections	Volume		Coverage
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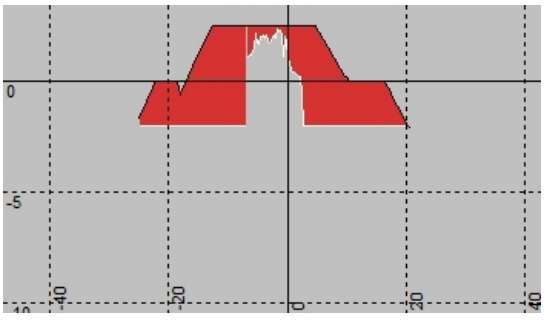
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Sections	Volume		Coverage
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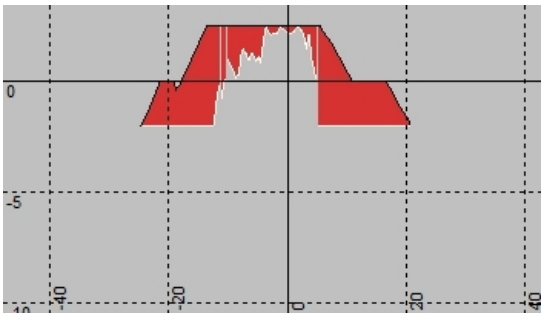
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Sections	Volume		Coverage
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Total	525.29	0.00	100



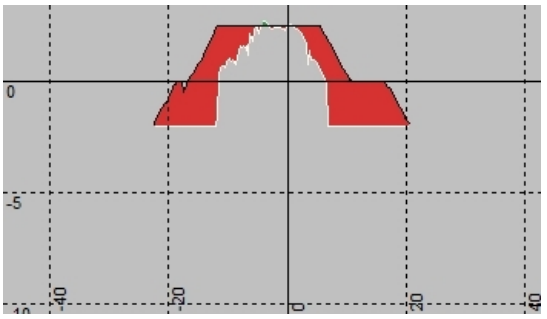
Runline File: Molo SE
Block: Sez_
Line: 9

Sections	Volume		Coverage
	Above	Below	[%]
Total	404.78	0.00	100



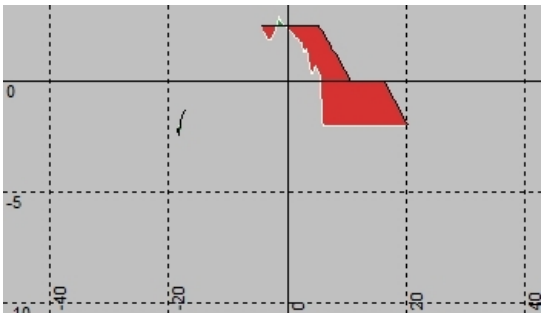
Runline File: Molo SE
Block: Sez_
Line: 10

Sections	Volume		Coverage
	Above	Below	[%]
Total	330.48	0.94	100



Runline File: Molo SE
Block: Sez_
Line: 11

Sections	Volume		Coverage
	Above	Below	[%]
Total	194.36	1.53	100



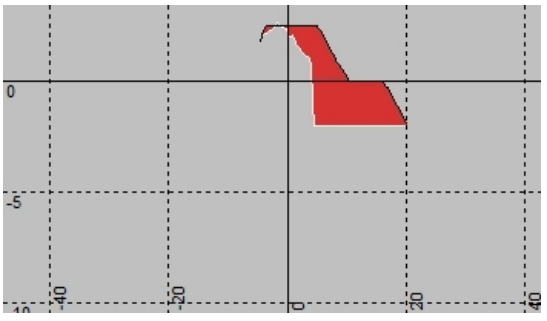
Runline File: Molo SE
Block: Sez_
Line: 12

Sections	Volume		Coverage
	Above	Below	[%]
Total	172.79	1.42	100



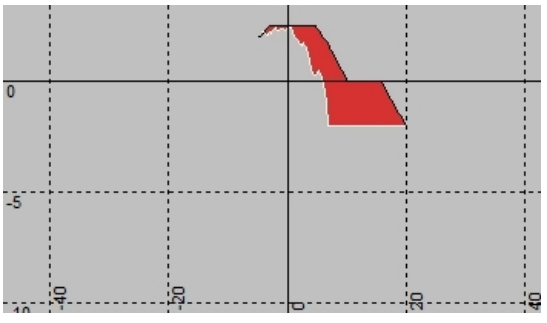
Runline File: Molo SE
Block: Sez_
Line: 13

Sections	Volume		Coverage
	Above	Below	[%]
Total	208.19	0.45	100



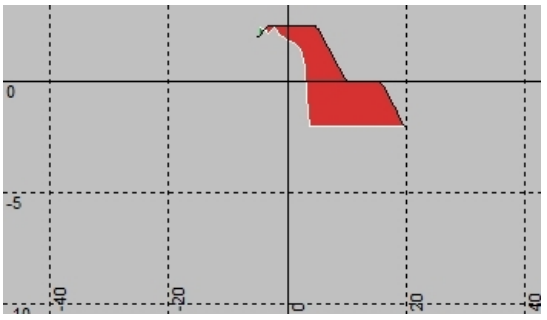
Runline File: Molo SE
Block: Sez_
Line: 14

Sections	Volume		Coverage
	Above	Below	[%]
Total	173.80	0.13	100



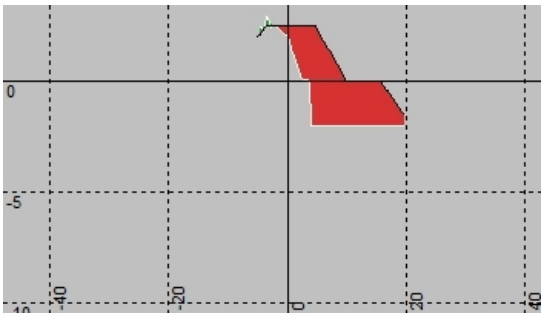
Runline File: Molo SE
Block: Sez_
Line: 15

Sections	Volume		Coverage
	Above	Below	[%]
Total	217.89	0.60	100



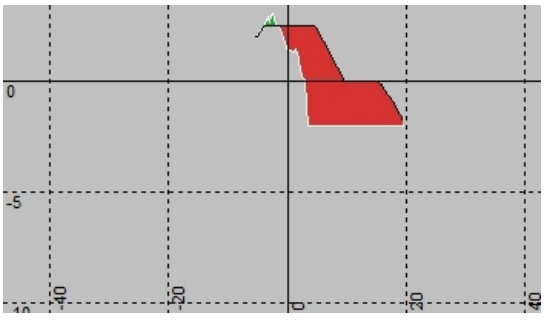
Runline File: Molo SE
Block: Sez_
Line: 16

Sections	Volume		Coverage
	Above	Below	[%]
Total	223.29	1.84	100



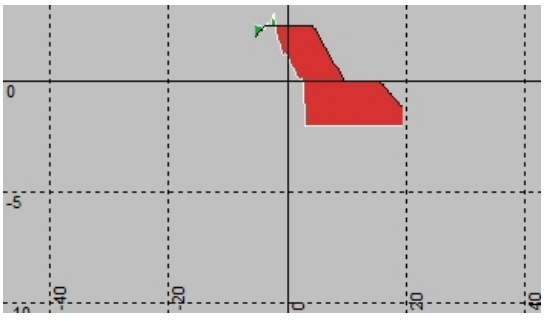
Runline File: Molo SE
Block: Sez_
Line: 17

Sections	Volume		Coverage
	Above	Below	[%]
Total	223.46	3.43	99



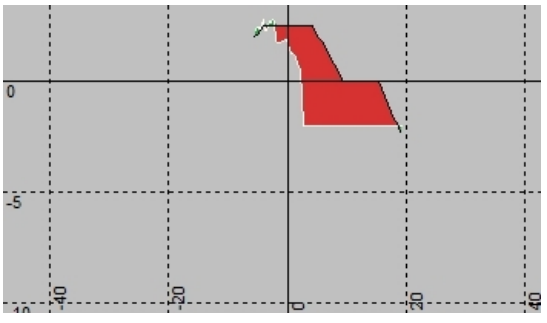
Runline File: Molo SE
Block: Sez_
Line: 18

Sections	Volume		Coverage
	Above	Below	[%]
Total	244.17	3.13	99



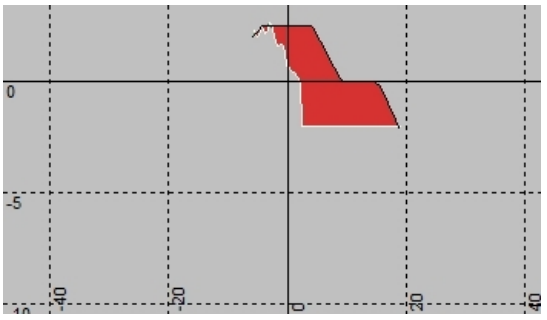
Runline File: Molo SE
Block: Sez_
Line: 19

Sections	Volume		Coverage
	Above	Below	[%]
Total	225.42	2.75	99



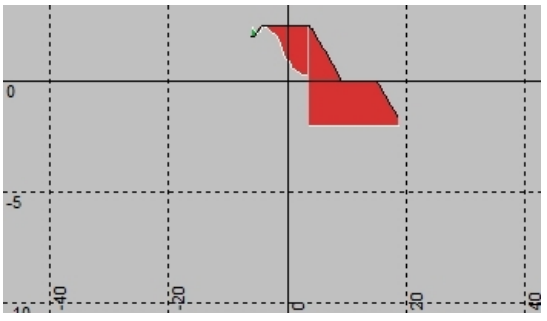
Runline File: Molo SE
Block: Sez_
Line: 20

Sections	Volume		Coverage
	Above	Below	[%]
Total	237.41	0.30	99



Runline File: Molo SE
Block: Sez_
Line: 21

Sections	Volume		Coverage
	Above	Below	[%]
Total	213.75	0.77	99



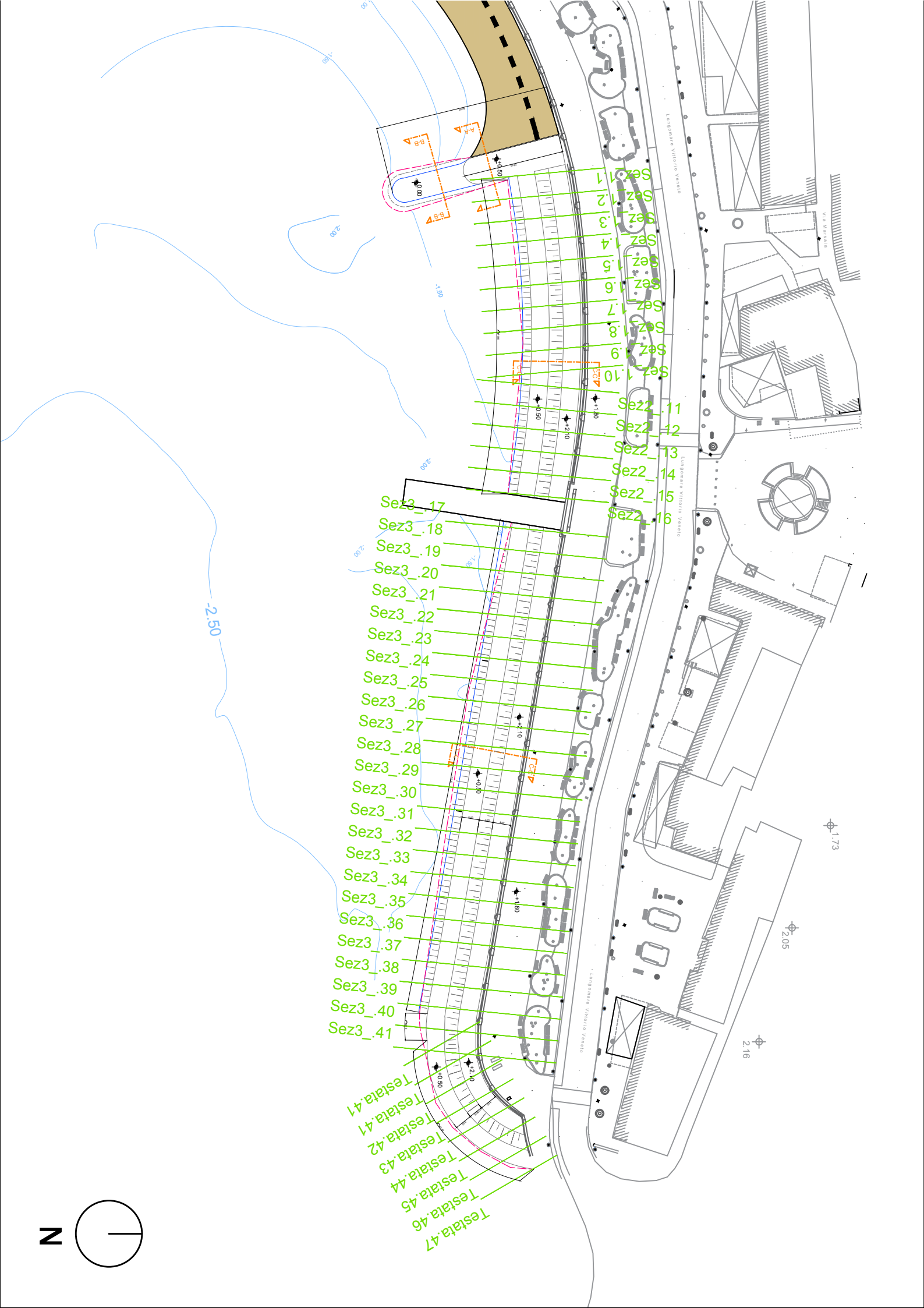
Runline File: Molo SE
Block: Sez_
Line: 22

Sections	Volume		Coverage
	Above	Below	[%]
Total	216.03	2.60	100



SEZIONI CONTABILI

SCOGLIERA LUNGOMARE


Sez_1
Sez_2
Sez_3
Sez_4
Sez_5
Sez_6
Sez_7
Sez_8
Sez_9
Sez_10
Sez2_11
Sez2_12
Sez2_13
Sez2_14
Sez2_15
Sez2_16
Sez3_17
Sez3_18
Sez3_19
Sez3_20
Sez3_21
Sez3_22
Sez3_23
Sez3_24
Sez3_25
Sez3_26
Sez3_27
Sez3_28
Sez3_29
Sez3_30
Sez3_31
Sez3_32
Sez3_33
Sez3_34
Sez3_35
Sez3_36
Sez3_37
Sez3_38
Sez3_39
Sez3_40
Sez3_41
Testata_41
Testata_41
Testata_42
Testata_43
Testata_44
Testata_45
Testata_46
Testata_47
Lungomare Vittorio Veneto
Via Marsala
-2.50
1.73
2.05
2.16
N

Volume computation: Scogliera

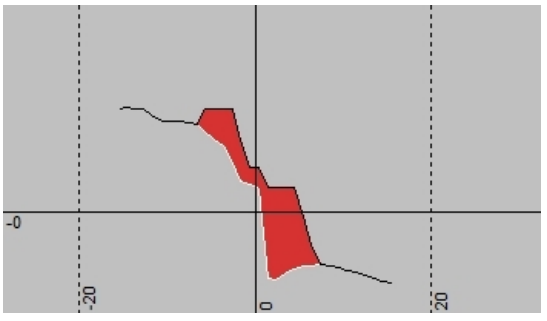
Data file: ScolgieraLungomare_01 (Grid Models)

Reference file: Rapallo_TOT (Grid Models)

Totals	Volume		Vertical Area		Coverage
	Above	Below	Above	Below	[%]
Volume computation: Scogliera	2303.77	15.13	492.92	3.85	100
Runlines file: ScoglieraLungomare1	2303.77	15.13	492.92	3.85	100
Block: Sez_1	554.52	0.00	123.38	0.00	100
Block: Sez2_	343.34	2.41	79.50	0.97	99
Block: Sez3_	1054.54	5.54	217.05	1.19	100
Block: Testata	351.37	7.17	72.98	1.69	100

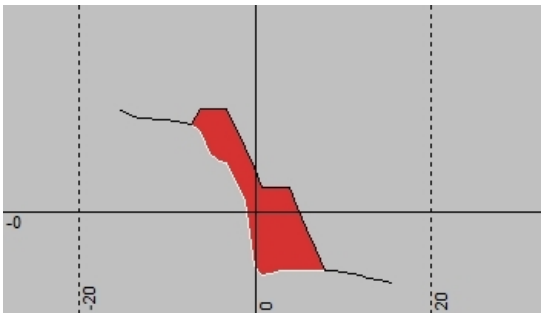
Runline File: ScoglieraLungomare1
Block: Sez_1
Line: 1

Sections	Volume		Coverage
	Above	Below	[%]
Total	33.32	0.00	100



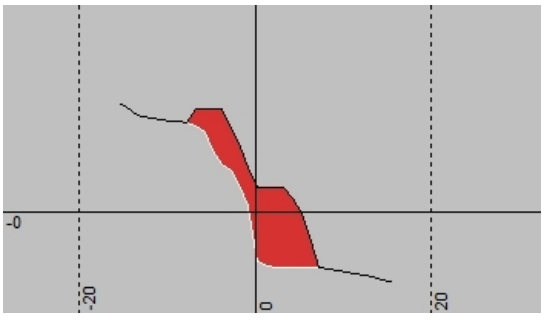
Runline File: ScoglieraLungomare1
Block: Sez_1
Line: 2

Sections	Volume		Coverage
	Above	Below	[%]
Total	87.14	0.00	100



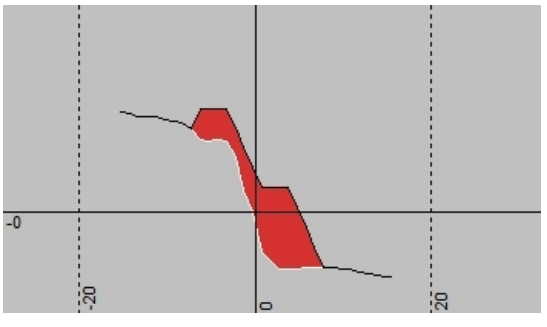
Runline File: ScoglieraLungomare1
Block: Sez_1
Line: 3

Sections	Volume		Coverage
	Above	Below	[%]
Total	74.07	0.00	100



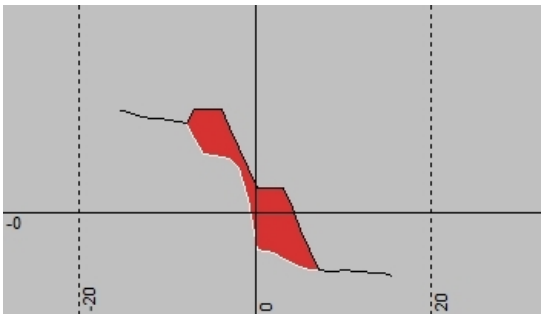
Runline File: ScoglieraLungomare1
Block: Sez_1
Line: 4

Sections	Volume		Coverage
	Above	Below	[%]
Total	68.79	0.00	100



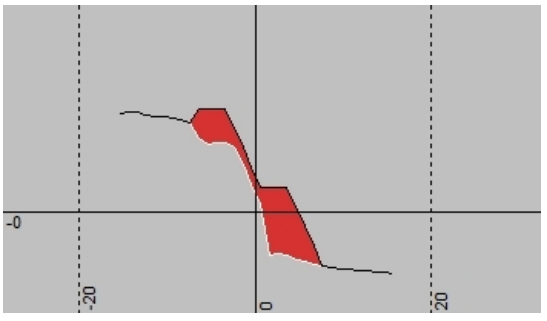
Runline File: ScoglieraLungomare1
Block: Sez_1
Line: 5

Sections	Volume		Coverage
	Above	Below	[%]
Total	63.79	0.00	100



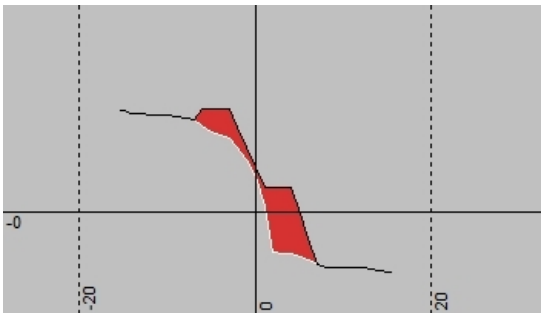
Runline File: ScoglieraLungomare1
Block: Sez_1
Line: 6

Sections	Volume		Coverage
	Above	Below	[%]
Total	52.53	0.00	100



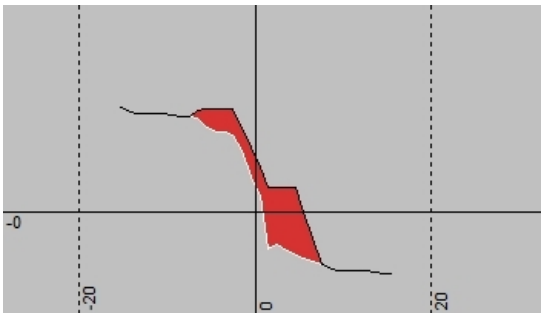
Runline File: ScoglieraLungomare1
Block: Sez_1
Line: 7

Sections	Volume		Coverage
	Above	Below	[%]
Total	43.27	0.00	100



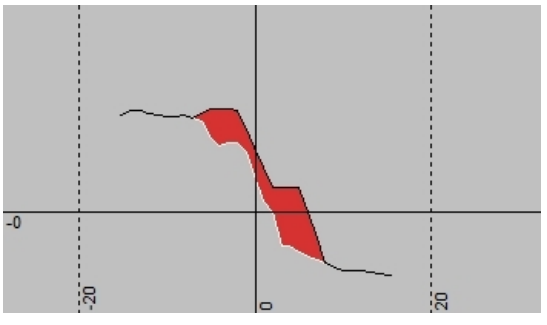
Runline File: ScoglieraLungomare1
Block: Sez_1
Line: 8

Sections	Volume		Coverage
	Above	Below	[%]
Total	51.17	0.00	100



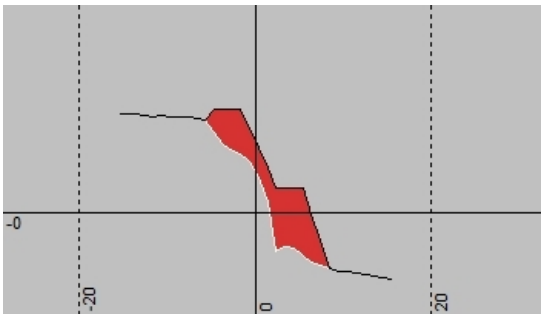
Runline File: ScoglieraLungomare1
Block: Sez_1
Line: 9

Sections	Volume		Coverage
	Above	Below	[%]
Total	51.38	0.00	100



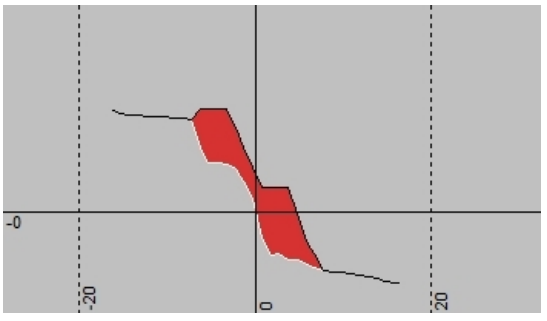
Runline File: ScoglieraLungomare1
Block: Sez_1
Line: 10

Sections	Volume		Coverage
	Above	Below	[%]
Total	29.06	0.00	100



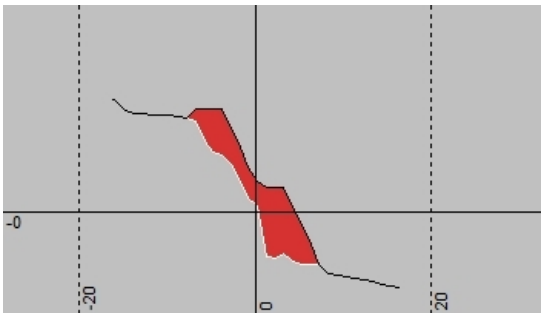
Runline File: ScoglieraLungomare1
Block: Sez2_
Line: 11

Sections	Volume		Coverage
	Above	Below	[%]
Total	33.28	0.00	100



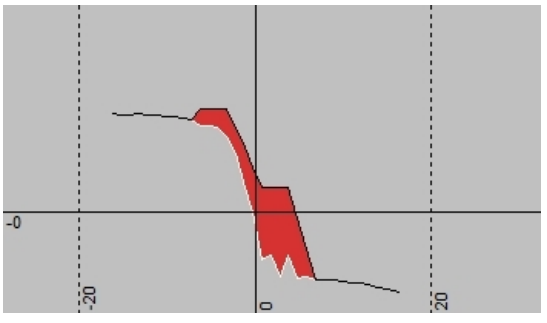
Runline File: ScoglieraLungomare1
Block: Sez2_
Line: 12

Sections	Volume		Coverage
	Above	Below	[%]
Total	59.85	0.00	100



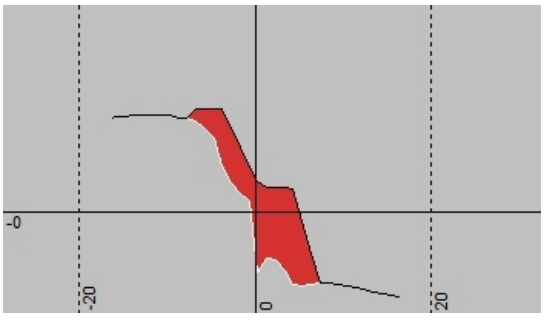
Runline File: ScoglieraLungomare1
Block: Sez2_
Line: 13

Sections	Volume		Coverage
	Above	Below	[%]
Total	58.94	0.00	100



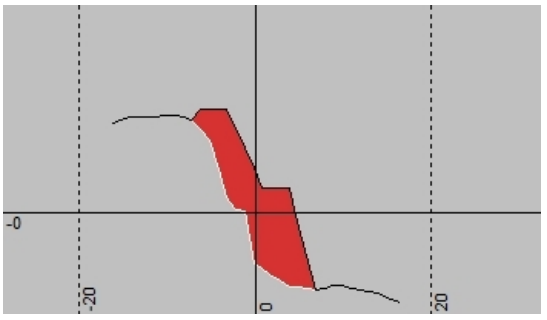
Runline File: ScoglieraLungomare1
Block: Sez2_
Line: 14

Sections	Volume		Coverage
	Above	Below	[%]
Total	78.20	0.00	100



Runline File: ScoglieraLungomare1
Block: Sez2_
Line: 15

Sections	Volume		Coverage
	Above	Below	[%]
Total	92.18	0.00	100



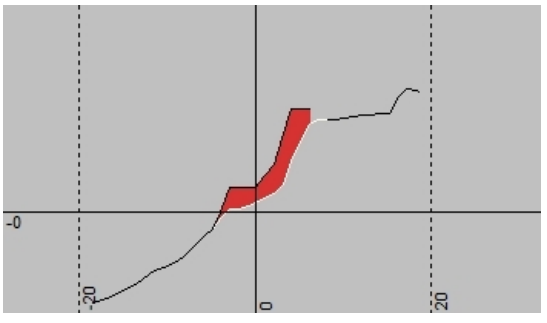
Runline File: ScoglieraLungomare1
Block: Sez2_
Line: 16

Sections	Volume		Coverage
	Above	Below	[%]
Total	20.90	2.41	94



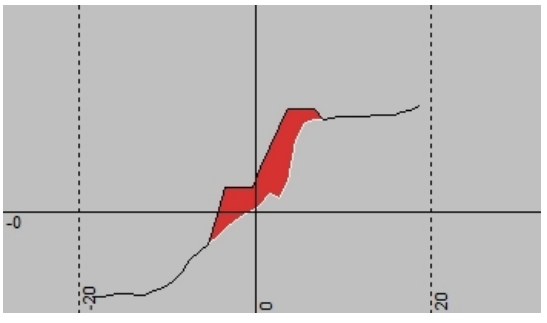
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 17

Sections	Volume		Coverage
	Above	Below	[%]
Total	14.68	0.00	95



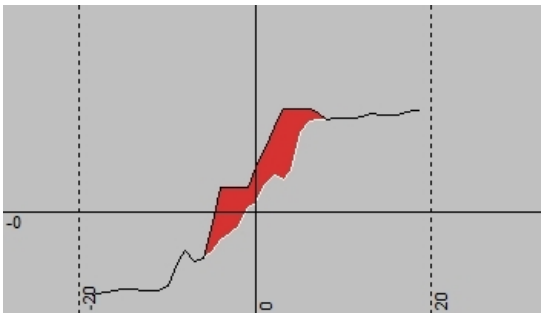
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 18

Sections	Volume		Coverage
	Above	Below	[%]
Total	44.12	0.00	100



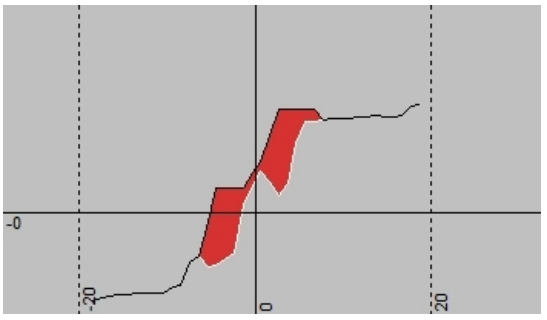
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 19

Sections	Volume		Coverage
	Above	Below	[%]
Total	49.03	0.00	100



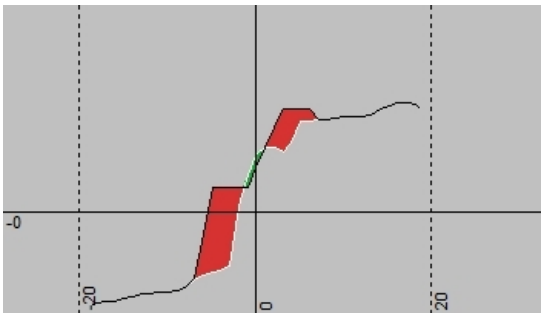
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 20

Sections	Volume		Coverage
	Above	Below	[%]
Total	57.86	0.00	100



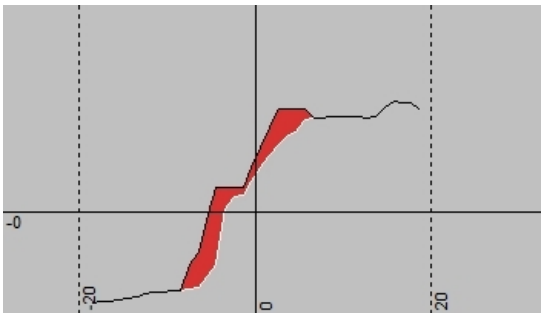
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 21

Sections	Volume		Coverage
	Above	Below	[%]
Total	43.92	2.12	100



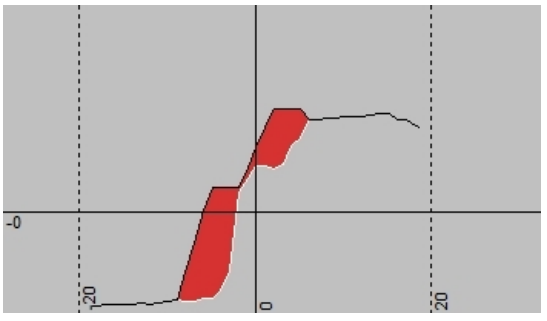
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 22

Sections	Volume		Coverage
	Above	Below	[%]
Total	40.69	0.00	100



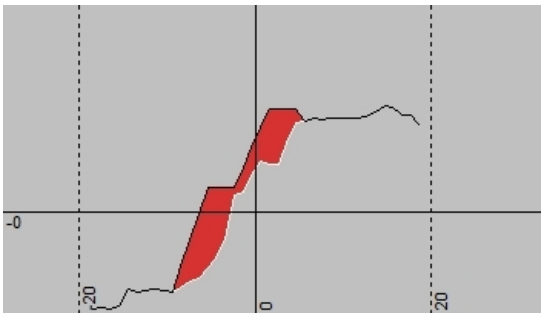
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 23

Sections	Volume		Coverage
	Above	Below	[%]
Total	74.68	0.00	100



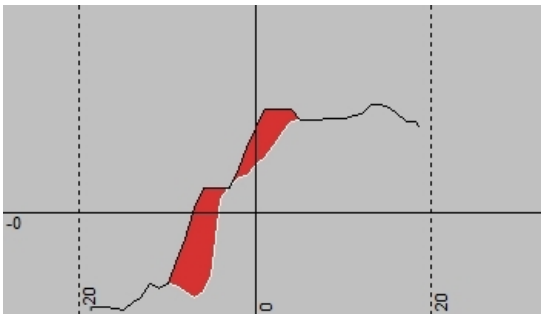
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 24

Sections	Volume		Coverage
	Above	Below	[%]
Total	60.18	0.00	100



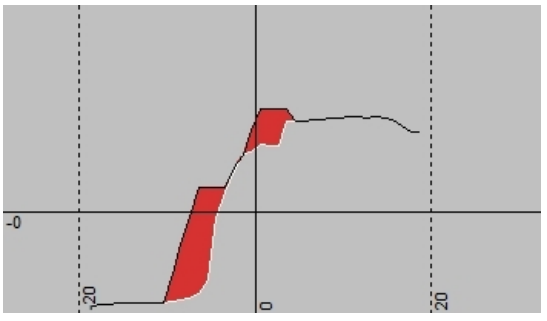
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 25

Sections	Volume		Coverage
	Above	Below	[%]
Total	57.24	0.01	100



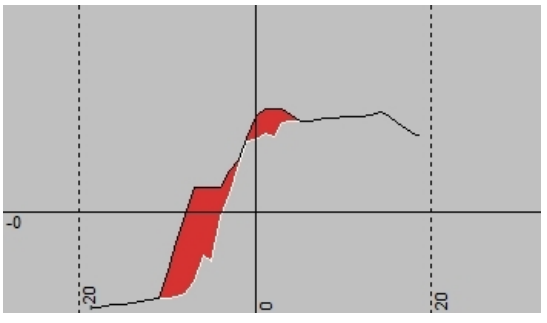
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 26

Sections	Volume		Coverage
	Above	Below	[%]
Total	56.11	0.00	100



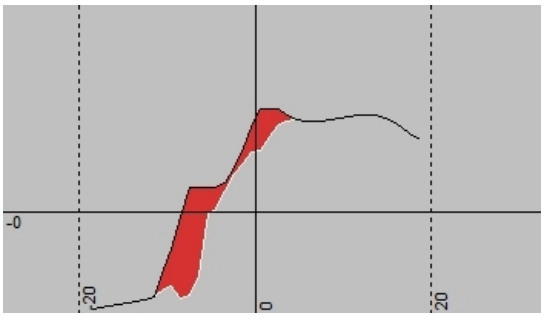
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 27

Sections	Volume		Coverage
	Above	Below	[%]
Total	57.04	0.00	100



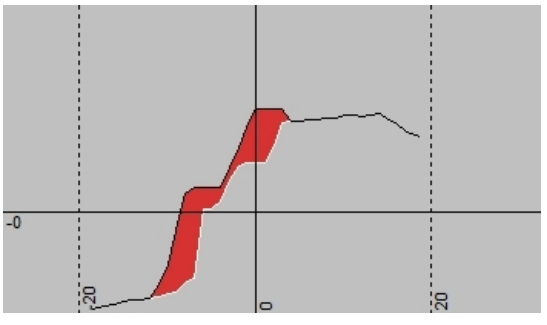
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 28

Sections	Volume		Coverage
	Above	Below	[%]
Total	54.16	0.00	100



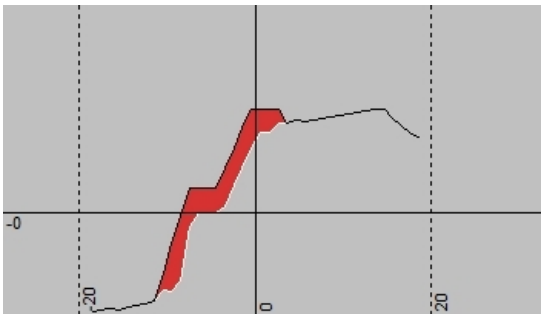
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 29

Sections	Volume		Coverage
	Above	Below	[%]
Total	57.92	0.00	100



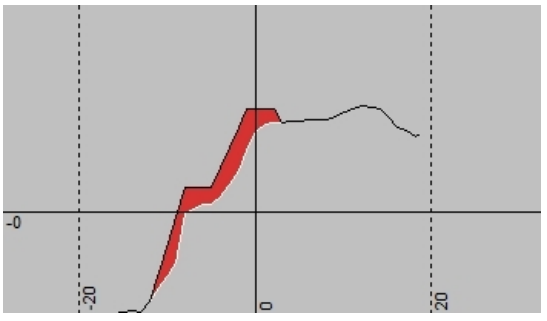
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 30

Sections	Volume		Coverage
	Above	Below	[%]
Total	46.97	0.00	100



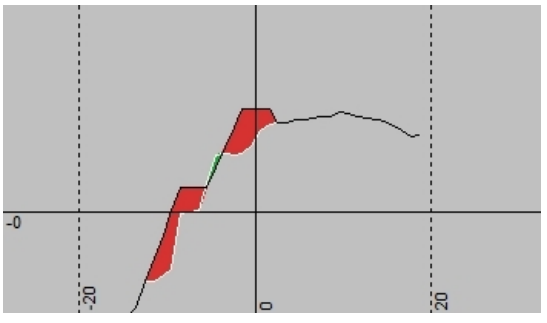
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 31

Sections	Volume		Coverage
	Above	Below	[%]
Total	38.99	0.00	100



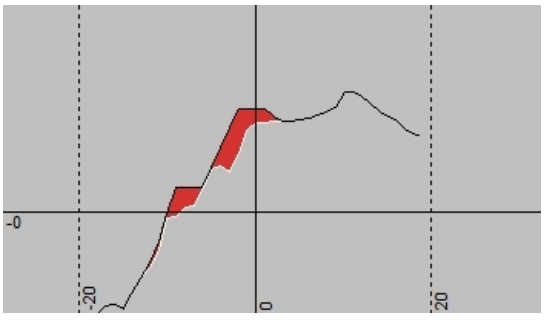
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 32

Sections	Volume		Coverage
	Above	Below	[%]
Total	34.99	1.30	100



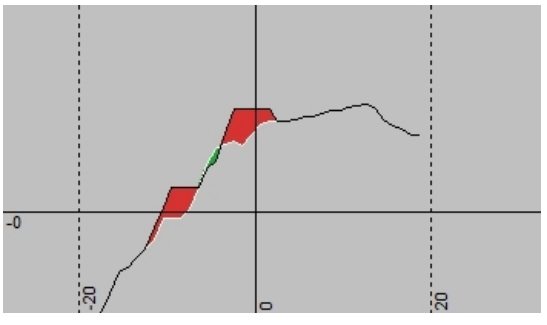
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 33

Sections	Volume		Coverage
	Above	Below	[%]
Total	26.11	0.00	100



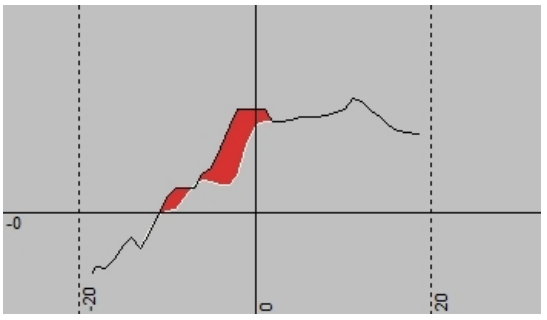
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 34

Sections	Volume		Coverage
	Above	Below	[%]
Total	24.64	1.32	100



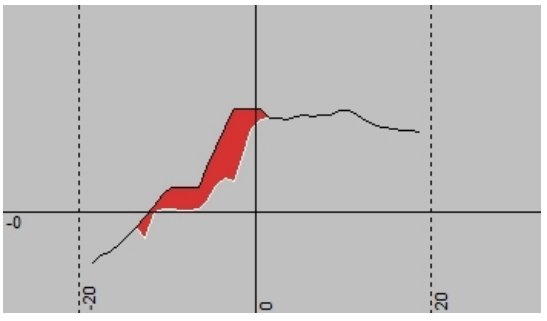
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 35

Sections	Volume		Coverage
	Above	Below	[%]
Total	29.77	0.29	100



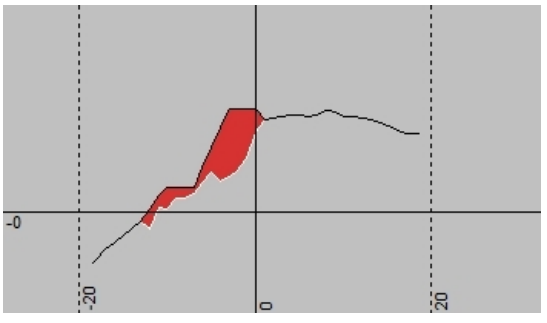
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 36

Sections	Volume		Coverage
	Above	Below	[%]
Total	41.87	0.00	100



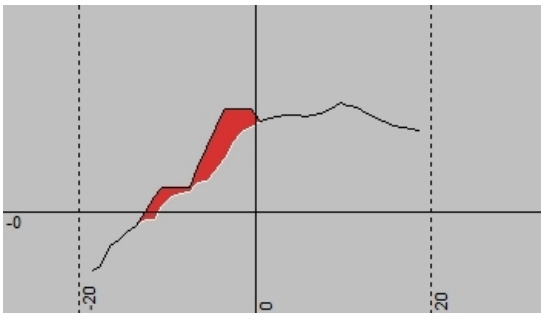
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 37

Sections	Volume		Coverage
	Above	Below	[%]
Total	39.06	0.00	100



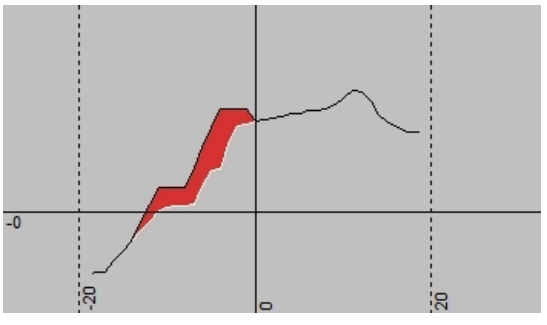
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 38

Sections	Volume		Coverage
	Above	Below	[%]
Total	29.35	0.00	100



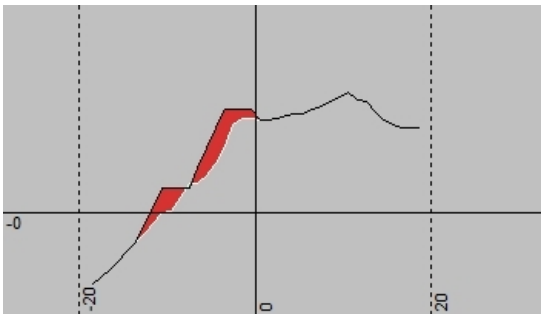
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 39

Sections	Volume		Coverage
	Above	Below	[%]
Total	35.49	0.00	100



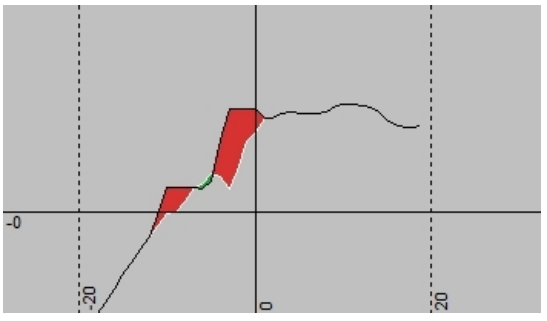
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 40

Sections	Volume		Coverage
	Above	Below	[%]
Total	23.64	0.08	100



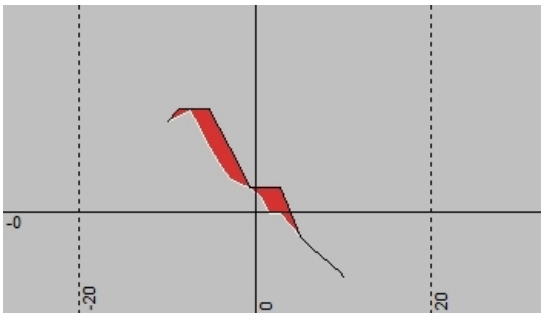
Runline File: ScoglieraLungomare1
Block: Sez3_
Line: 41

Sections	Volume		Coverage
	Above	Below	[%]
Total	16.04	0.42	100



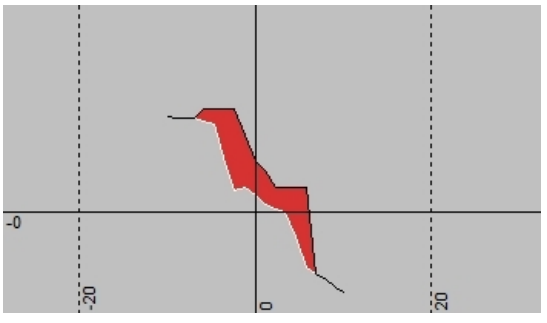
Runline File: ScoglieraLungomare1
Block: Testata
Line: 41

Sections	Volume		Coverage
	Above	Below	[%]
Total	13.18	0.00	100



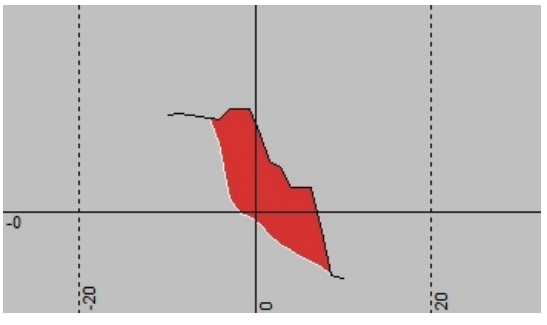
Runline File: ScoglieraLungomare1
Block: Testata
Line: 42

Sections	Volume		Coverage
	Above	Below	[%]
Total	54.53	0.00	100



Runline File: ScoglieraLungomare1
Block: Testata
Line: 43

Sections	Volume		Coverage
	Above	Below	[%]
Total	95.77	0.00	100



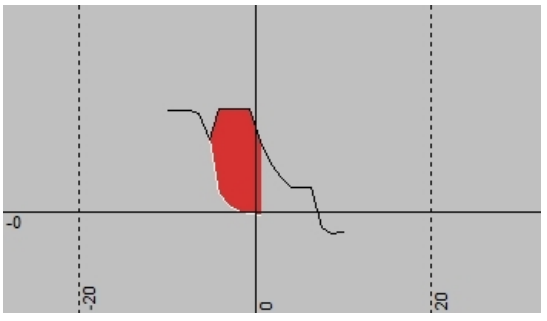
Runline File: ScoglieraLungomare1
Block: Testata
Line: 44

Sections	Volume		Coverage
	Above	Below	[%]
Total	75.72	0.00	100



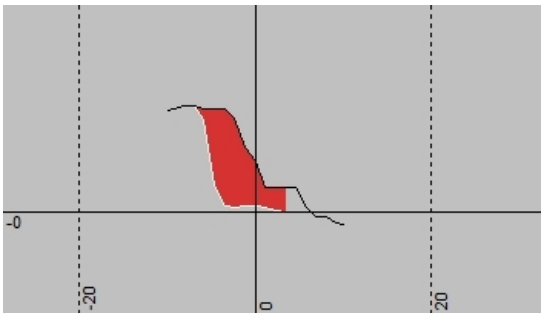
Runline File: ScoglieraLungomare1
Block: Testata
Line: 45

Sections	Volume		Coverage
	Above	Below	[%]
Total	50.19	0.00	100



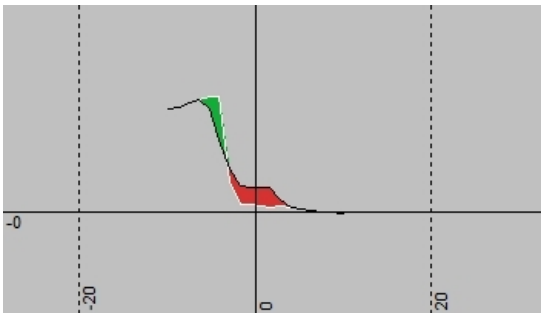
Runline File: ScoglieraLungomare1
Block: Testata
Line: 46

Sections	Volume		Coverage
	Above	Below	[%]
Total	51.21	0.01	100



Runline File: ScoglieraLungomare1
Block: Testata
Line: 47

Sections	Volume		Coverage
	Above	Below	[%]
Total	10.39	5.86	100



Runline File: ScoglieraLungomare1
Block: Testata
Line: 48

Sections	Volume		Coverage
	Above	Below	[%]
Total	0.38	1.29	100

