APPENDIX A.9

Environmental Baseline Supporting Documentation and Maps

Full-Scale Versions of Figures A-5 and A-6

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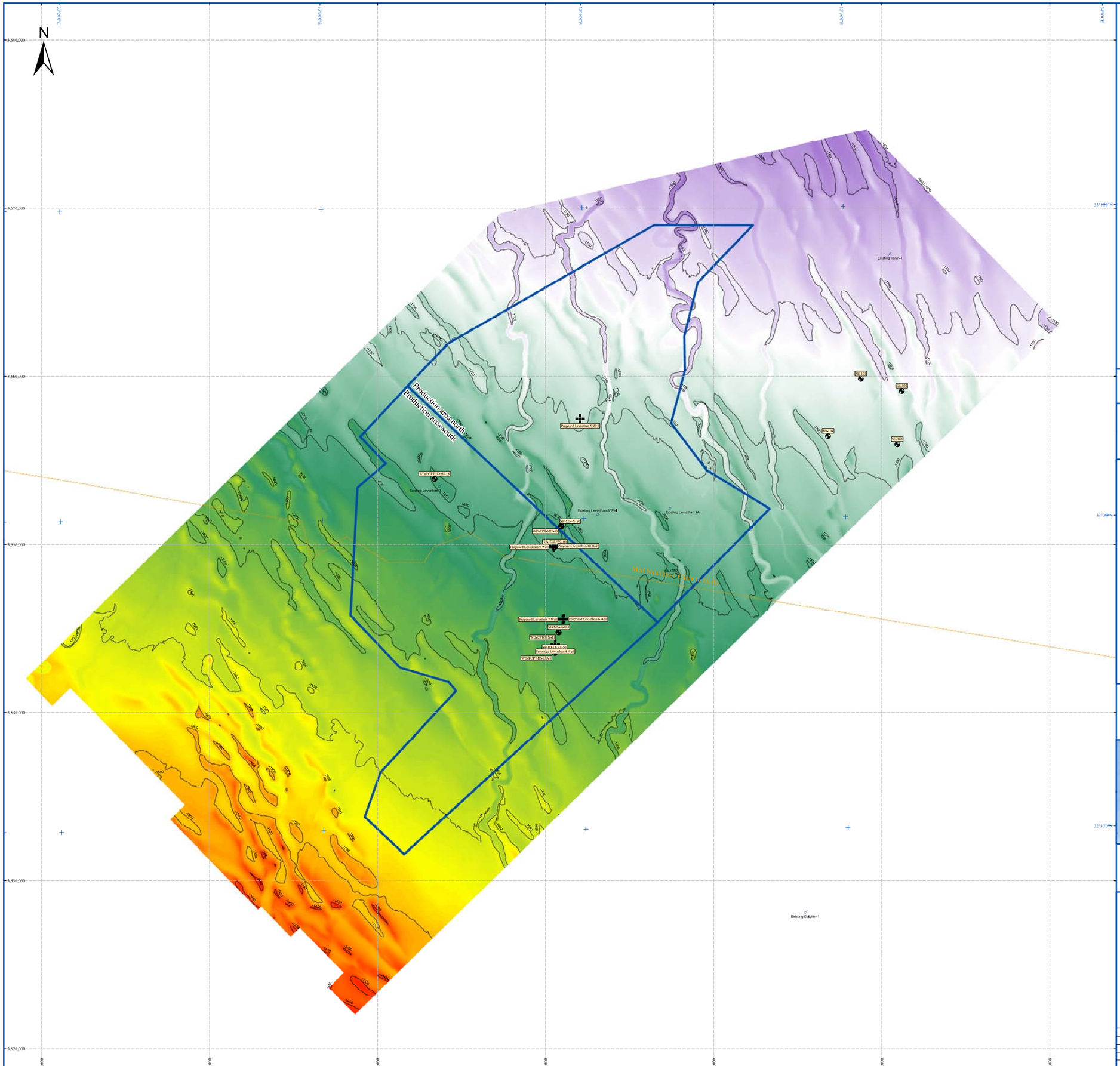

LEGEND

- Proposed Leviathan 10 Well Location (560,434m E / 3,649,917m N)
- Proposed Leviathan 9 Well Location (560,478m E / 3,649,862m N)
- Proposed Leviathan 8 Well Location (560,300m E / 3,644,143m N)
- Proposed Leviathan 7 Well Location (560,912m E / 3,645,598m N)
- Proposed Leviathan 6 Well Location (561,072m E / 3,645,575m N)
- Proposed Leviathan 5 Well Location (562,040m E / 3,657,480m N)
- Production area line
- Existing Wells
- Core Locations
- -1650 Depth below sea surface to seabed in meters, contoured at 50m intervals
- Cable

-1700 -1680 -1660 -1640 -1620 -1600

Seabed Depth (Meters)

Chart Scale 1:75,000

0 6,250 12,500 25,000 37,500 Feet

0 2,000 4,000 8,000 12,000 Meters

GEODETIC INFORMATION

Coordinate System: WGS 1984 UTM Zone 36N
Projection: Transverse Mercator
Datum: WGS 1984
Units: Meter

False Easting: 500,000.0000
False Northing: 0.0000
Central Meridian: 33.0000
Scale Factor: 0.9996
Latitude Of Origin: 0.0000

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3D GEOHAZARD ASSESSMENT
OFFSHORE ISRAEL
LEVIATHAN PROSPECT
PROPOSED LEVIATHAN 10 WELL LOCATION
ENVIRONMENTAL CHARTS

REGIONAL SEABED DEPTH
CHART 7

Prepared by: Gardline Surveys, Inc. 1500 Bingle Road, Houston, Texas, 77055. Telephone: 713.481.4630

REV	DATE	REMARKS	AUTHOR	DRAWN	CHECKED
0	JUNE 7, 2016	DRAFT	JE	KB	ARH
1	JUNE 24, 2016	FINAL	JE	KB	ARH
SURVEY DATE	N/A	REPORT REF	10780	REF NO	10780.07

N

Production area north

Production area south

Med Nautilus-1 Cable to Haifa

Existing Tanin

Existing Leviathan 1

Existing Leviathan 3 Well

Existing Leviathan 2A

Existing Dolphin-1

Proposed Leviathan 5 Well

Proposed Leviathan 9 Well

Proposed Leviathan 10 Well

Proposed Leviathan 7 Well

Proposed Leviathan 6 Well

Proposed Leviathan 8 Well

WD-CP-SD-ML-13

WD-CP-SD-04

SS-TM-LEV-08

SS-MW-Sc-02

SS-TM-LEV-09

WD-CP-SD-ML-07

SS-TM-LEV-06

WD-PC-PMD-LEV-5

SS-TM-01

SS-TM-02

SS-TM-03

SS-TM-04

3,680,000

3,670,000

3,660,000

3,650,000

3,640,000

3,630,000

3,620,000

530,000

540,000

550,000

560,000

570,000

580,000

590,000

33°10'0"N

33°0'0"N

32°50'0"N

34°10'0"E

34°20'0"E

34°30'0"E

34°40'0"E

34°50'0"E

LEGEND

- Proposed Leviathan 10 Well Location (560,434m E / 3,649,917m N)
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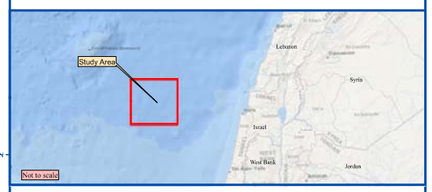
- Proposed Leviathan 6 Well Location (561,072m E / 3,645,575m N)
- Proposed Leviathan 5 Well Location (562,040m E / 3,657,480m N)
- Production area line
- Existing Wells
- Core Locations
- Active strike-slip fault
- Active thrust fault
- Cable
- Under consolidated (soft) mostly clays with some silts (primarily bathymetric lows)
- Normally consolidated clays and silts
- Over consolidated (firm) mostly silts with some clays (primarily bathymetric highs)
- High angle slope, possible incised exposure of underlying firmer sediments

Chart Scale 1:75,000

0 6,250 12,500 25,000 37,500 Feet

0 2,000 4,000 8,000 12,000 Meters



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ENVIRONMENTAL CHARTS

REGIONAL SEABED CHARACTERIZATION
CHART 8

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SURVEY DATE	N/A	REPORT REF	10780	REF NO	10780.08