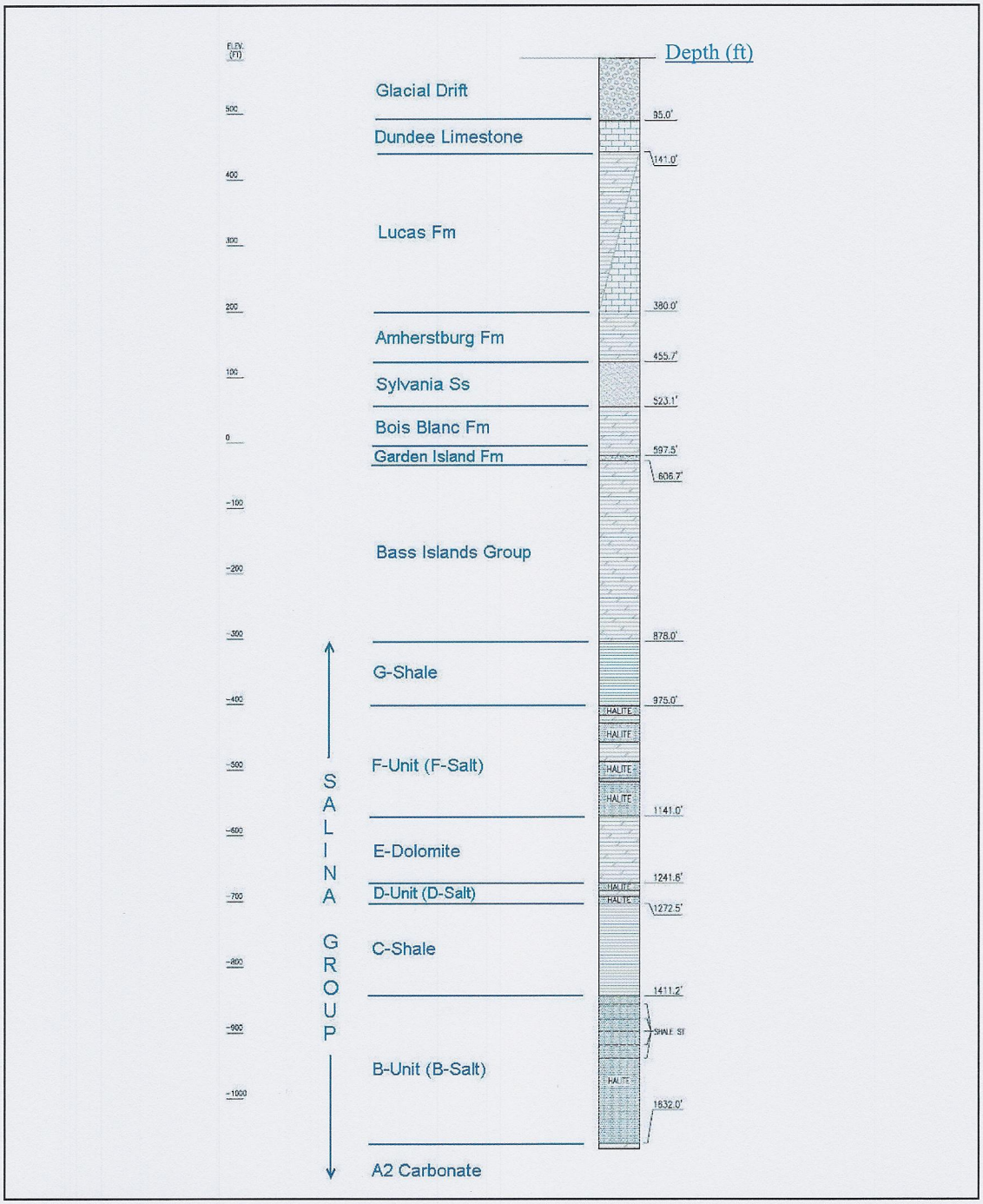
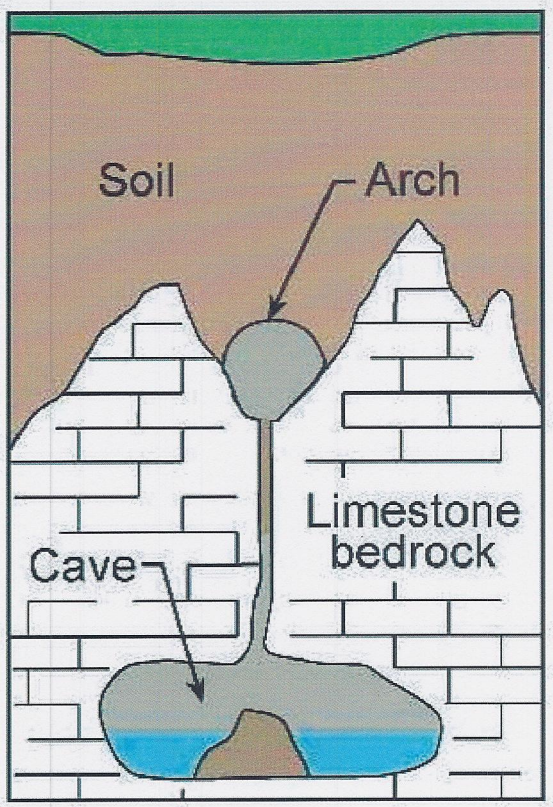
River
Detroit
Bridge Crossing Option A
Bridge Crossing Option B
Bridge Crossing Option C
W Jefferson Ave
Sterling Marine Fuels Property
Van De Hogan Group Property
SWS Property
OPG Property
Brighton Beach Power
City of Windsor Police Training Centre
Lou Romano Water Reclamation Plant
RUSSELL ST
SANDWICH ST
PRINCE RD
TECUMSEH RD W
PROSPECT AVE
MCKEE RD
Essex Terminal Railway
OUELLETTE AVE

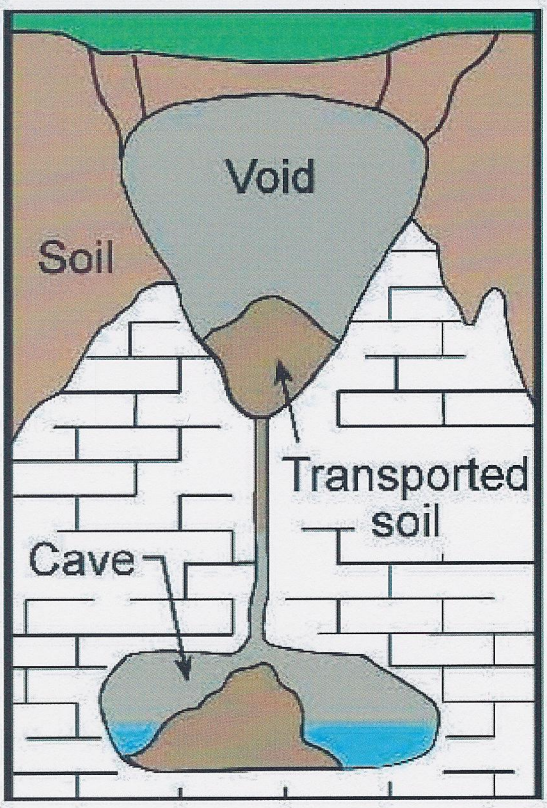
Figure S-5
Detroit River International Crossing Study
Generalized Bedrock Lithology



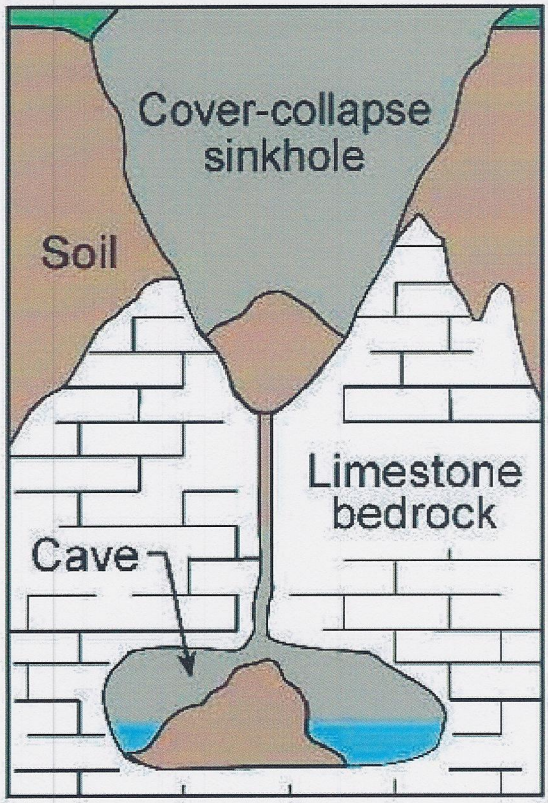
Source: NTH Consultants, Ltd.



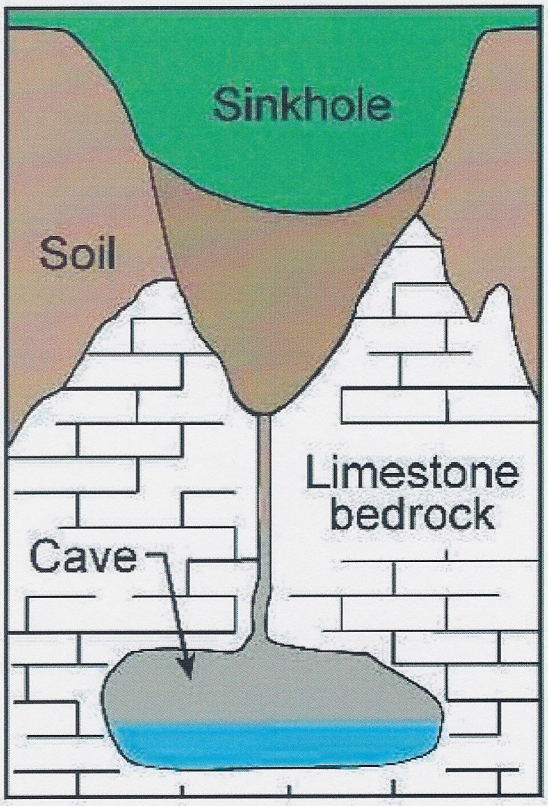
Initial development of a soil arch.



Development of stress cracks.



Collapse of soil arch. The soil that fell into the cave is carries away by the stream.



Slumping of banks leads to bowl-shaped cross section.

River
Detroit
Bridge Crossing Option B
Bridge Crossing Option A
Sterling Marine Fuels
X11-6
X11-5
X11-2
Van De Hogan Group
DRIC 01
DRIC 02
DRIC 03
DRIC 04
RUSSELL ST
SANDWICH ST
PRINCE RD
ESSEX TERMINAL RAILWAY
X11-3
X10N-2
X10N-1
X10N-3
PROSPECT AVE
X10N-4
X10N-6
X10N-5
X11-4
OJIBWAY PKY
City of Windsor Police Training Centre
SWS
OPG
MCKEE RD
Lou Romano Water Reclamation Plant

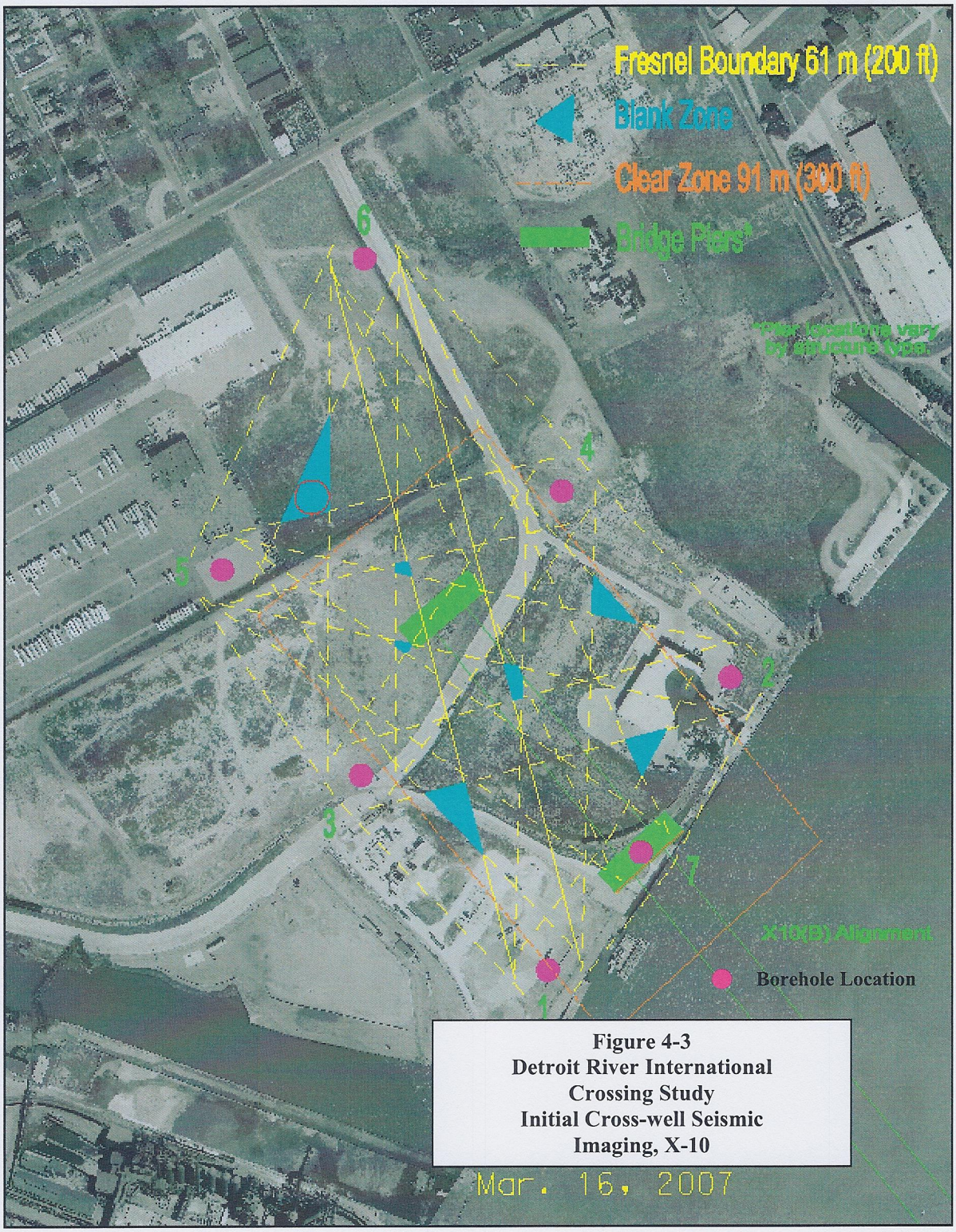
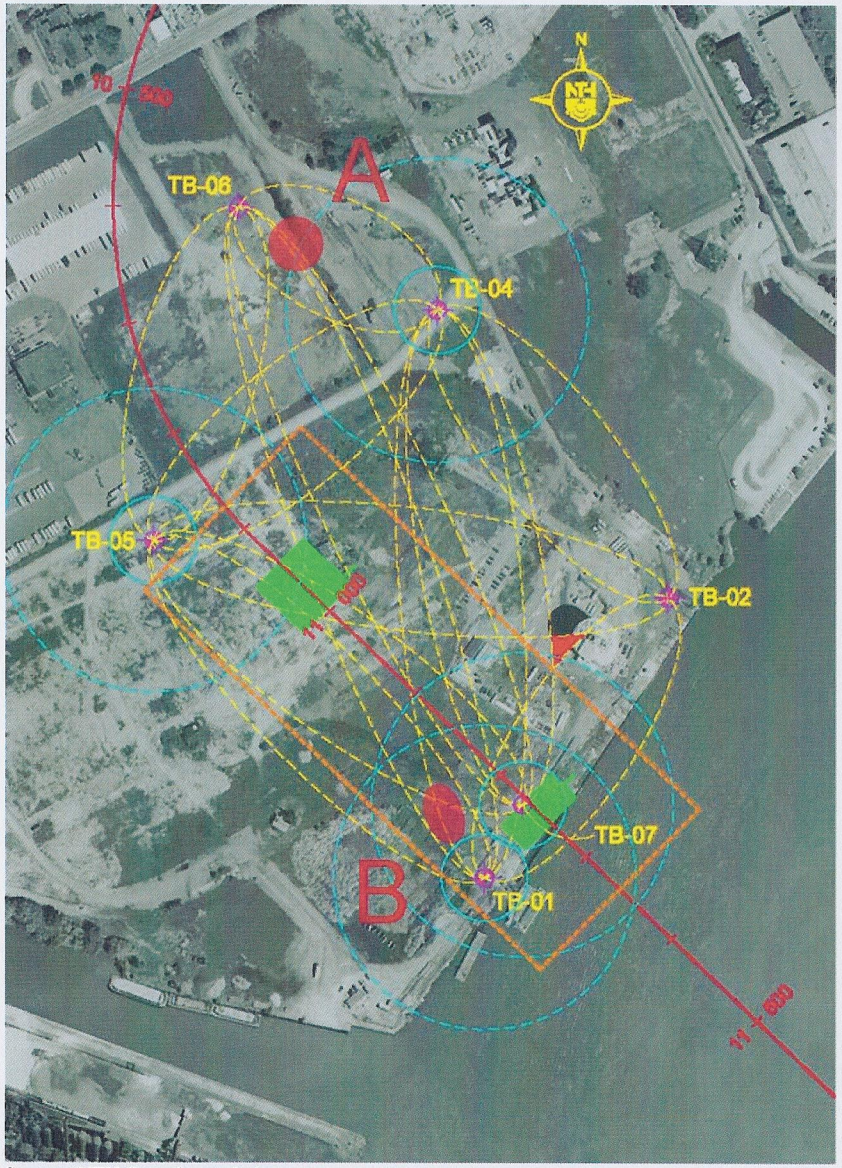


Figure 4-3
Detroit River International Crossing Study
Initial Cross-well Seismic Imaging, X-10

Figure 8-1
Detroit River International Crossing Study
Proposed Anomalies

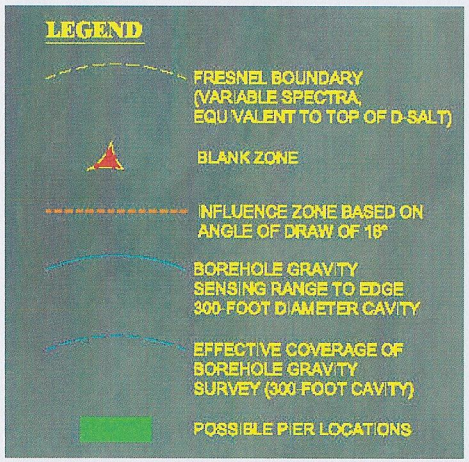


Source: NTH Consultants, Ltd.

Anomaly "A":

- Size: About 20 to 25 feet high, about 125 ft diameter.
- Depth: Centered at about 1100 feet BGS.
- Shape: Round in Plan, "Morning Glory" in profile.
- Probably fully or partially "bulked-up," Possible limited recrystallization

Anomaly "B":

- Size: About 20 to 25 feet high, about 120 by 170 feet in diameter.
- Depth: Centered at about 1410 feet BGS.
- Shape: Elliptical in Plan, Hockey Puck in profile.
- Most likely a density anomaly within the B-Salt, where density is lower due to geological deposition (recrystallization, high purity, etc.)

Note: No anomalies greater than those illustrated in this figure were detected in the X-11 Crossing area investigated.