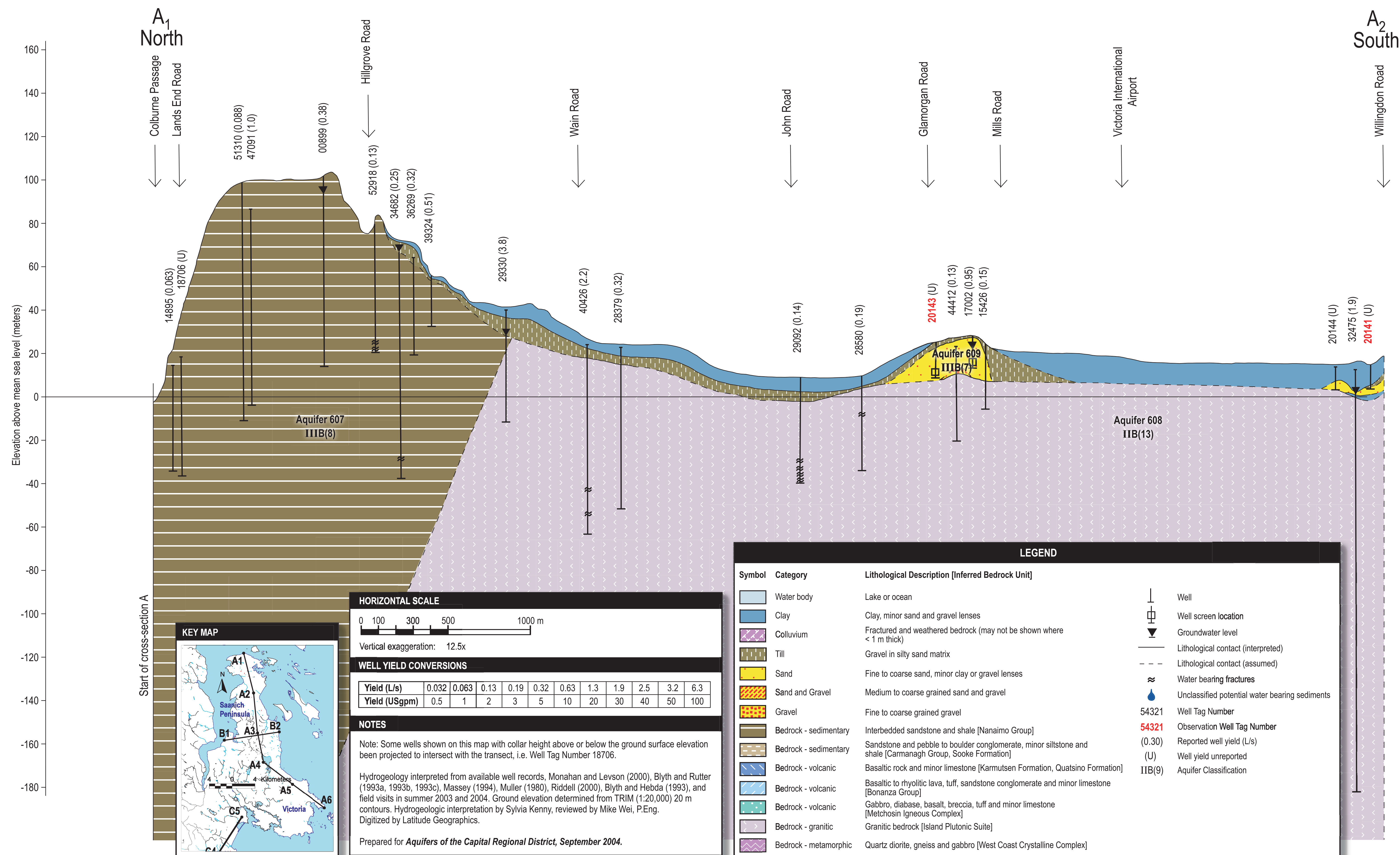
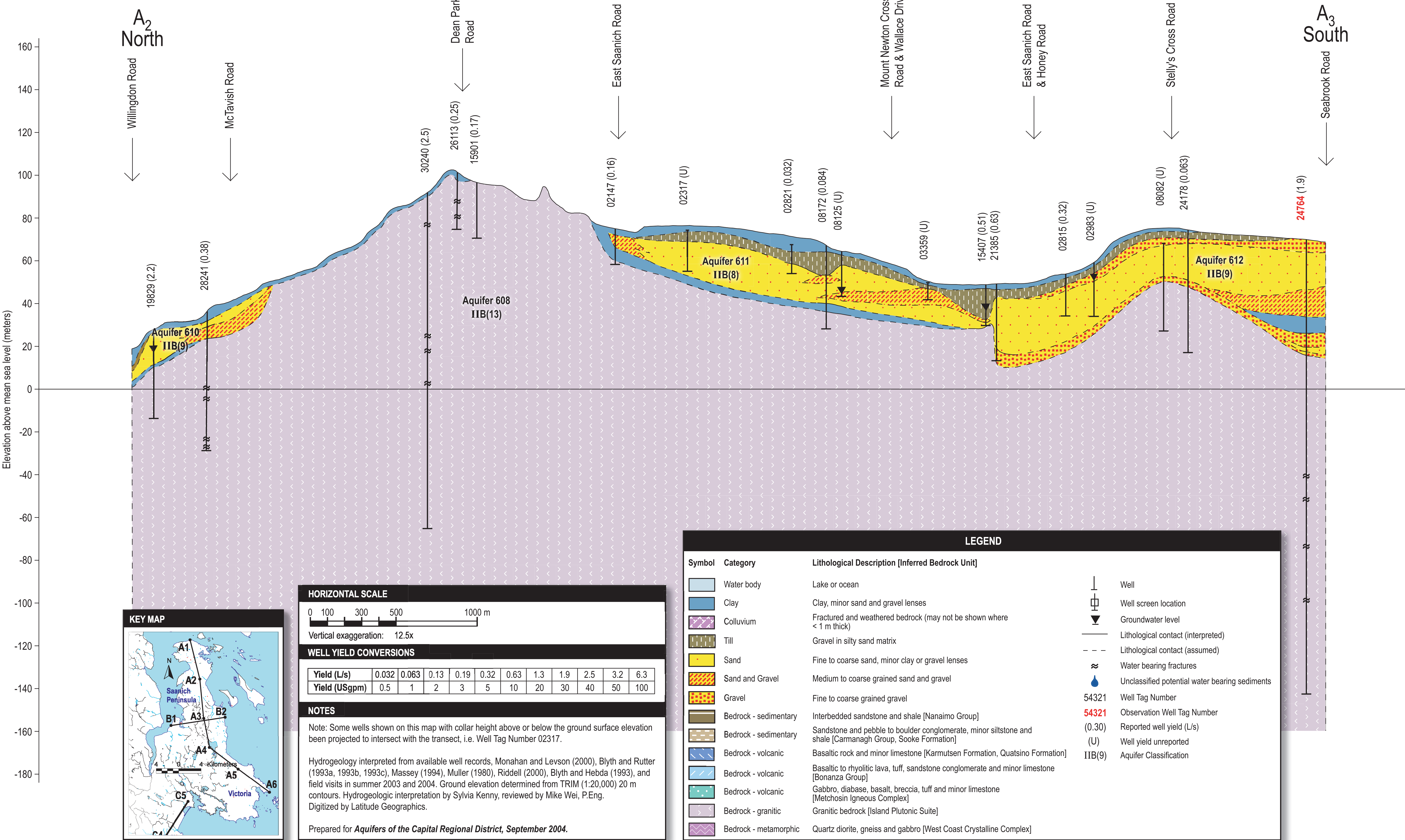


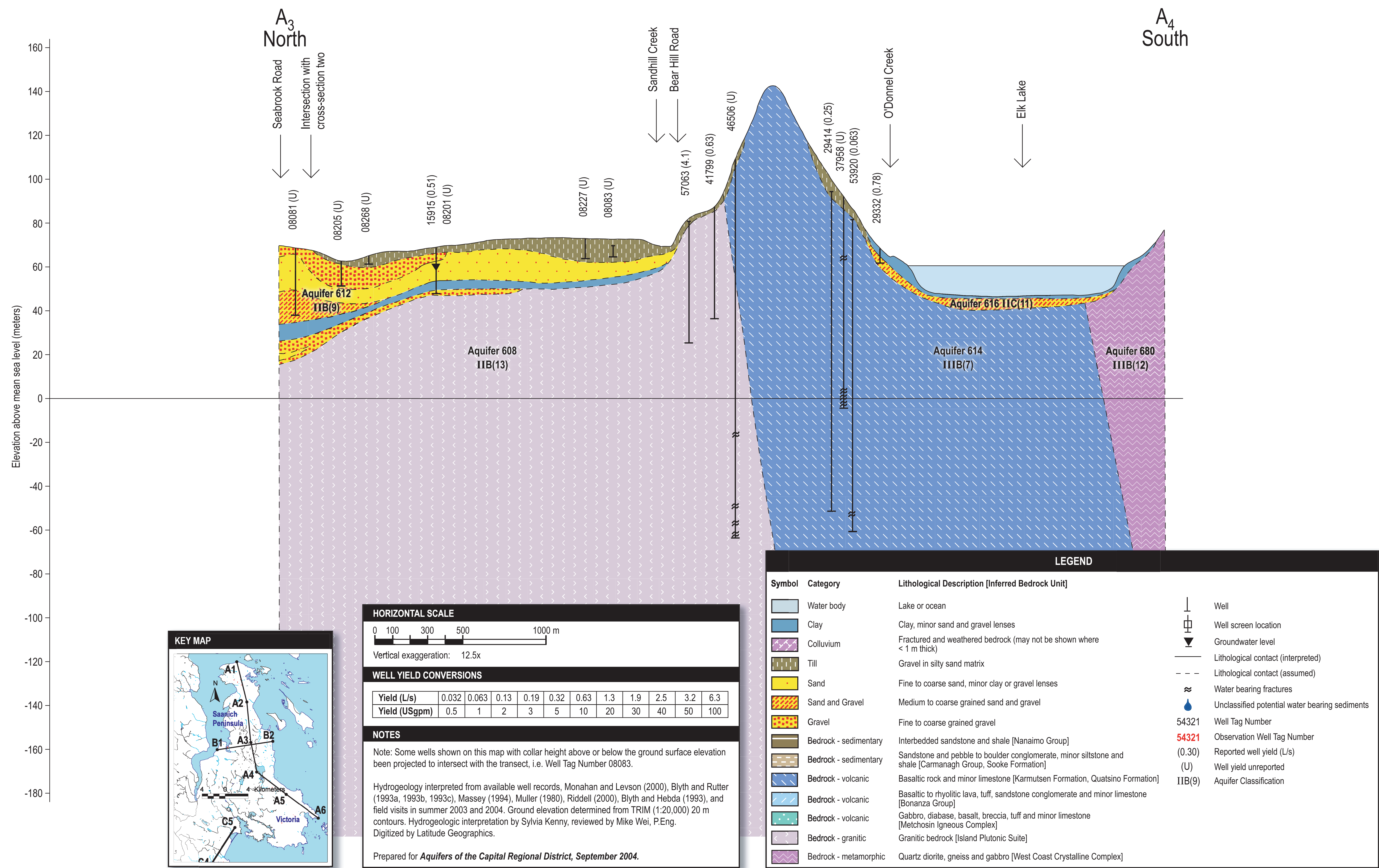
Hydrogeologic Cross-section A: Longitudinal Transect A₁-A₂ of Greater Victoria from Colburne Passage to Ten Mile Point, Subsection I of V



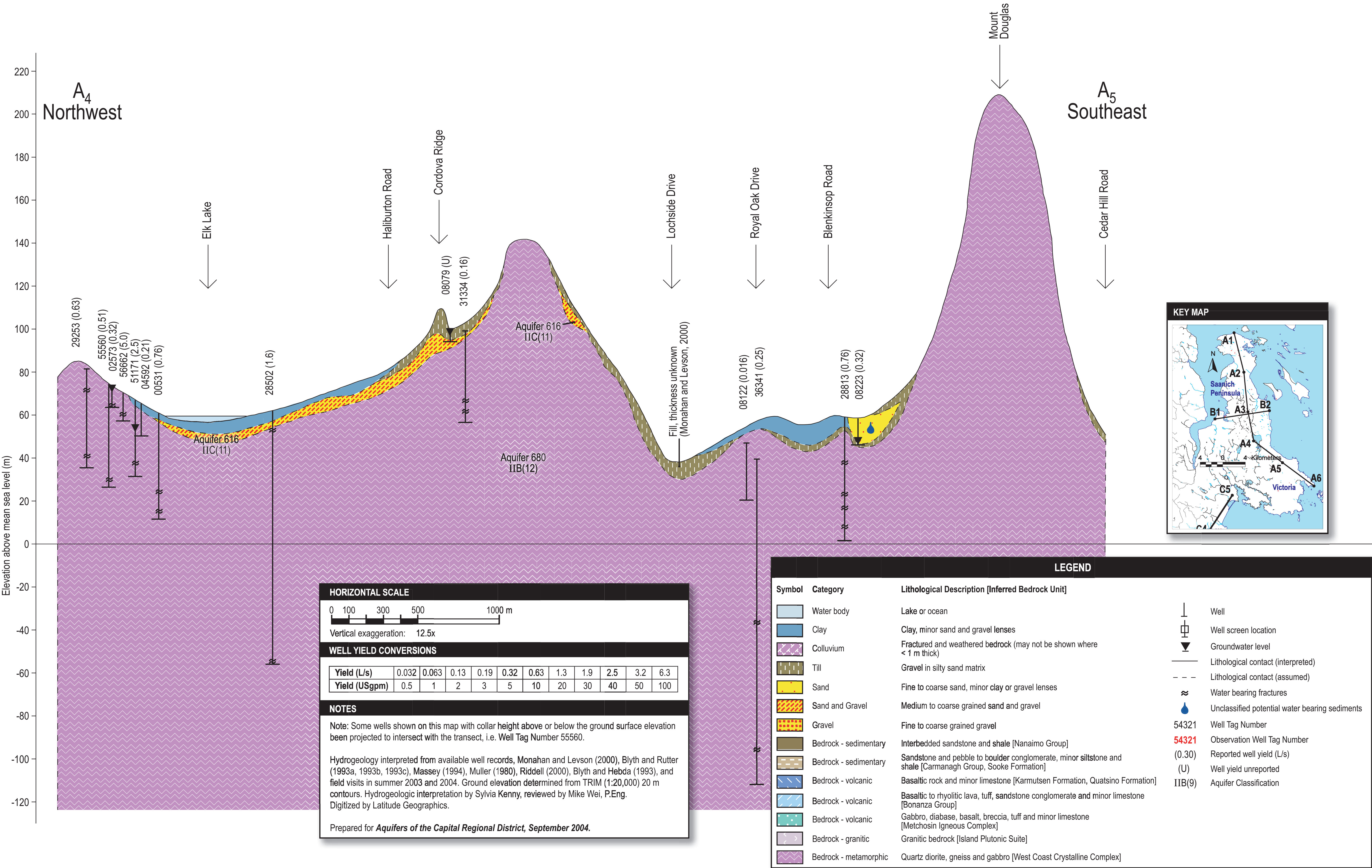
Hydrogeologic Cross-section A: Longitudinal Transect A₂-A₃ of Greater Victoria from Colburne Passage to Ten Mile Point, Subsection II of V



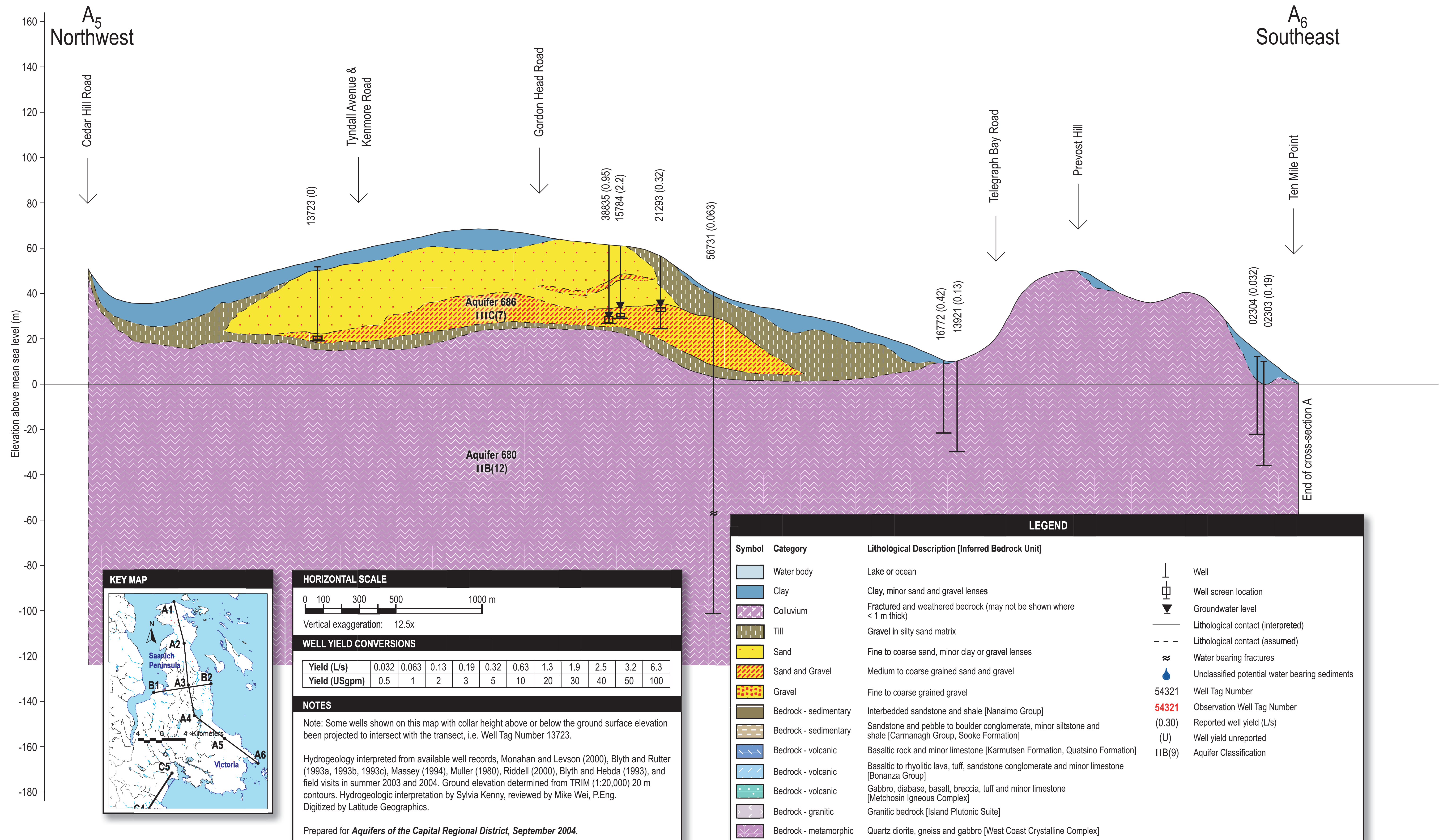
Hydrogeologic Cross-section A: Longitudinal Transect A₃ - A₄ of Greater Victoria from Colburne Passage to Ten Mile Point, Subsection III of V



Hydrogeologic Cross-section A: Longitudinal Transect A₄-A₅ of Greater Victoria from Colburne Passage to Ten Mile Point, Subsection IV of V



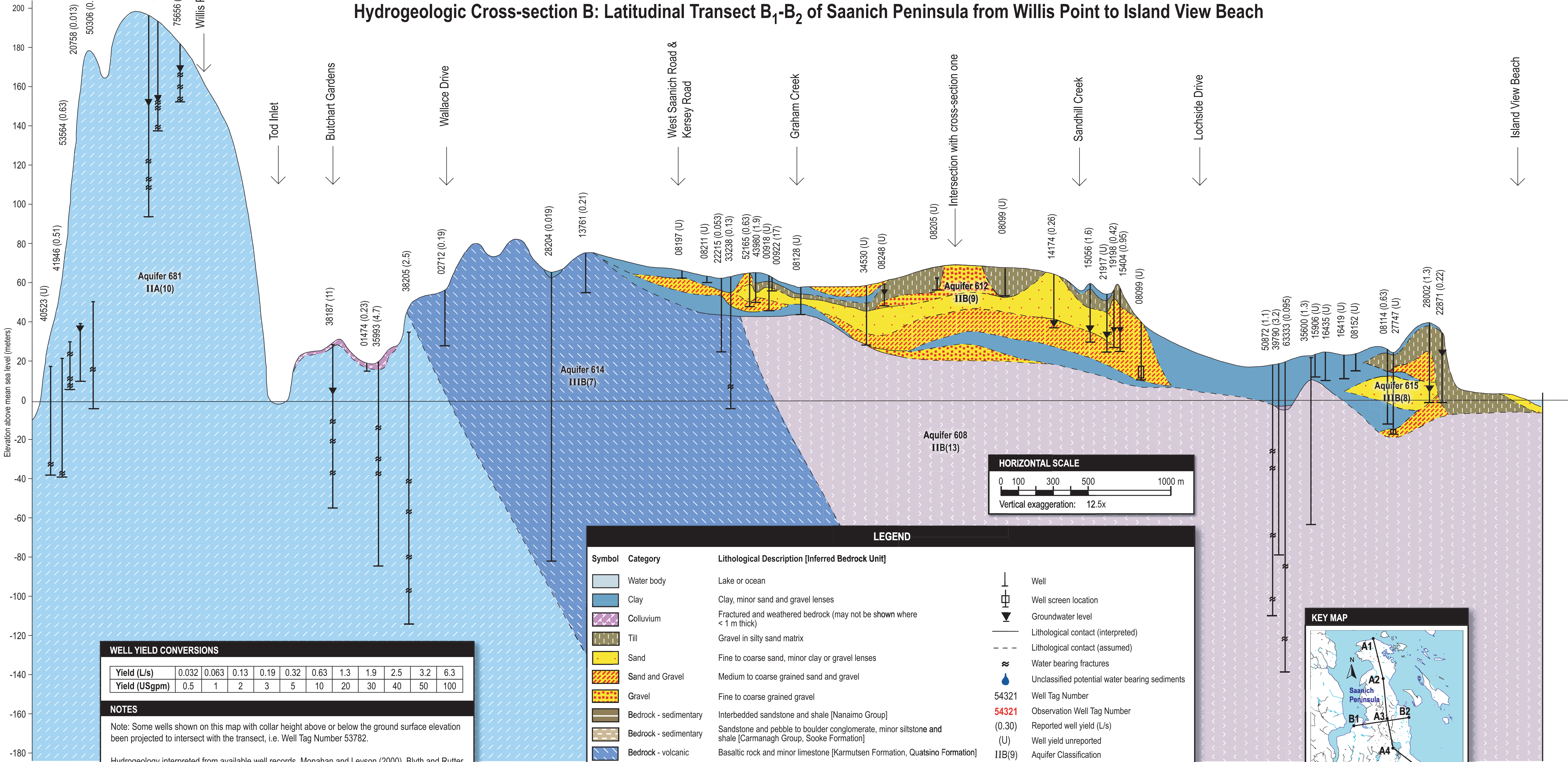
Hydrogeologic Cross-section A: Longitudinal Transect A₅-A₆ of Greater Victoria from Colburne Passage to Ten Mile Point, Subsection V of V



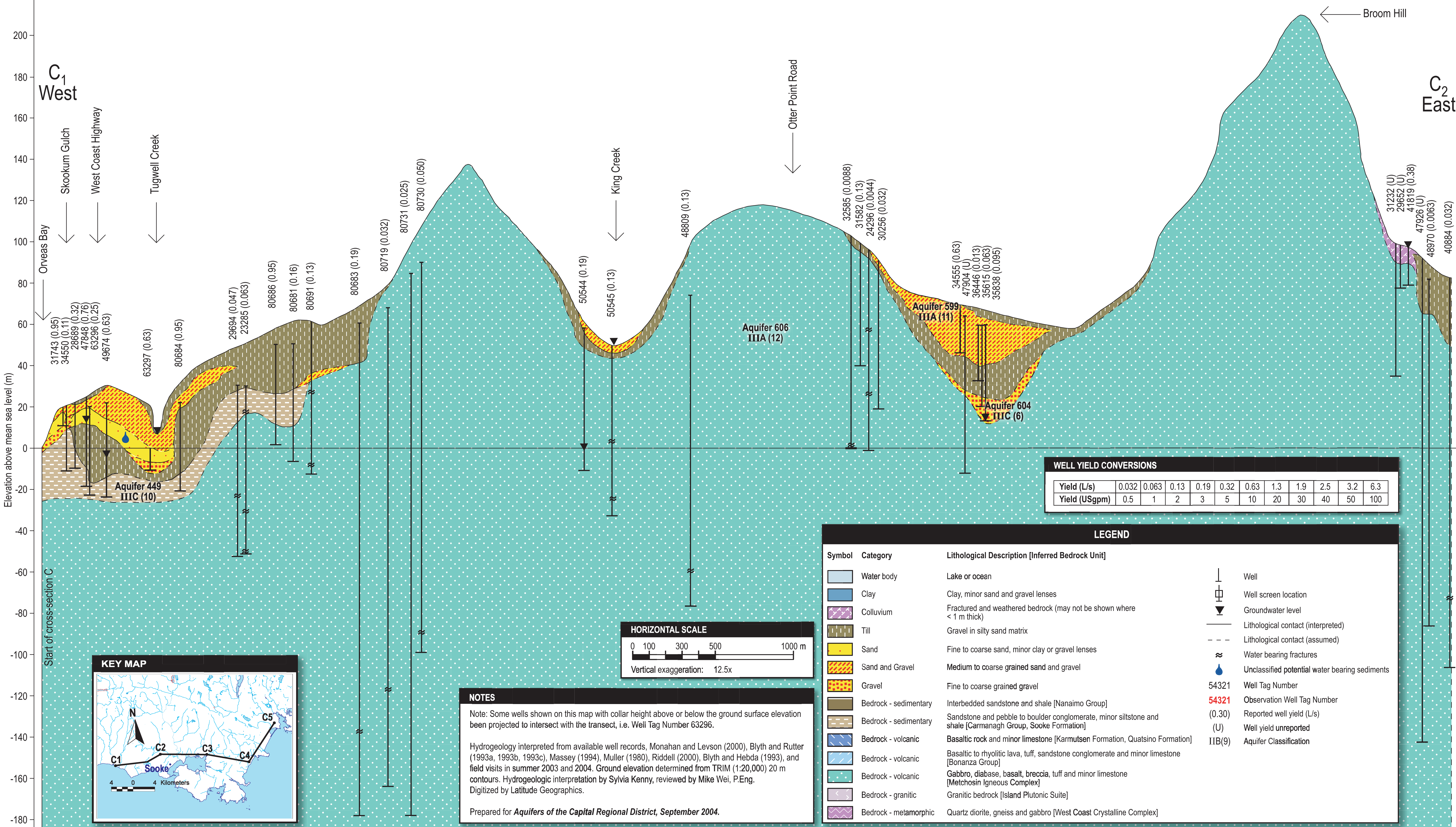
B₁
West

B₂
East

Hydrogeologic Cross-section B: Latitudinal Transect B₁-B₂ of Saanich Peninsula from Willis Point to Island View Beach



Hydrogeologic Cross-section C: Latitudinal Transect C₁-C₂ of Sooke and Western Communities from Orveas Bay to Ocean Boulevard, Subsection I of IV



WELL YIELD CONVERSIONS											
Yield (L/s)	0.032	0.063	0.13	0.19	0.32	0.63	1.3	1.9	2.5	3.2	6.3
Yield (USgpm)	0.5	1	2	3	5	10	20	30	40	50	100

LEGEND

Symbol	Category	Lithological Description [Inferred Bedrock Unit]
	Water body	Lake or ocean
	Clay	Clay, minor sand and gravel lenses
	Colluvium	Fractured and weathered bedrock (may not be shown where < 1 m thick)
	Till	Gravel in silty sand matrix
	Sand	Fine to coarse sand, minor clay or gravel lenses
	Sand and Gravel	Medium to coarse grained sand and gravel
	Gravel	Fine to coarse grained gravel
	Bedrock - sedimentary	Interbedded sandstone and shale [Nanaimo Group]
	Bedrock - sedimentary	Sandstone and pebble to boulder conglomerate, minor siltstone and shale [Carmanagh Group, Sooke Formation]
	Bedrock - volcanic	Basaltic rock and minor limestone [Karmutsen Formation, Quatsino Formation]
	Bedrock - volcanic	Basaltic to rhyolitic lava, tuff, sandstone conglomerate and minor limestone [Bonanza Group]
	Bedrock - volcanic	Gabbro, diabase, basalt, breccia, tuff and minor limestone [Metchosin Igneous Complex]
	Bedrock - granitic	Granitic bedrock [Island Plutonic Suite]
	Bedrock - metamorphic	Quartz diorite, gneiss and gabbro [West Coast Crystalline Complex]

NOTES

Note: Some wells shown on this map with collar height above or below the ground surface elevation been projected to intersect with the transect, i.e. Well Tag Number 63296.

Hydrogeology interpreted from available well records, Monahan and Levson (2000), Blyth and Rutter (1993a, 1993b, 1993c), Massey (1994), Muller (1980), Riddell (2000), Blyth and Hebda (1993), and field visits in summer 2003 and 2004. Ground elevation determined from TRIM (1:20,000) 20 m contours. Hydrogeologic interpretation by Sylvia Kenny, reviewed by Mike Wei, P.Eng. Digitized by Latitude Geographics.

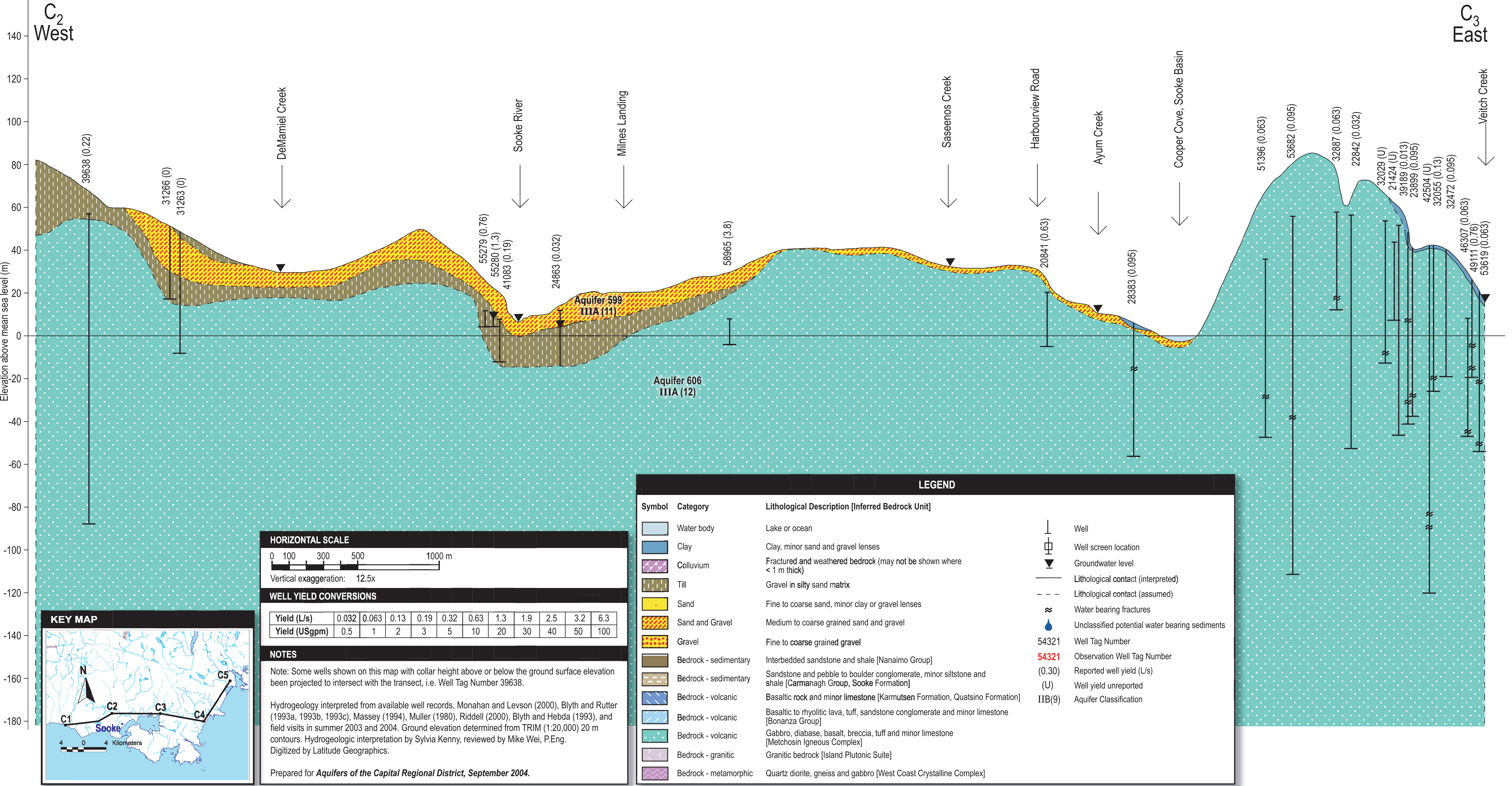
Prepared for *Aquifers of the Capital Regional District, September 2004.*

KEY MAP

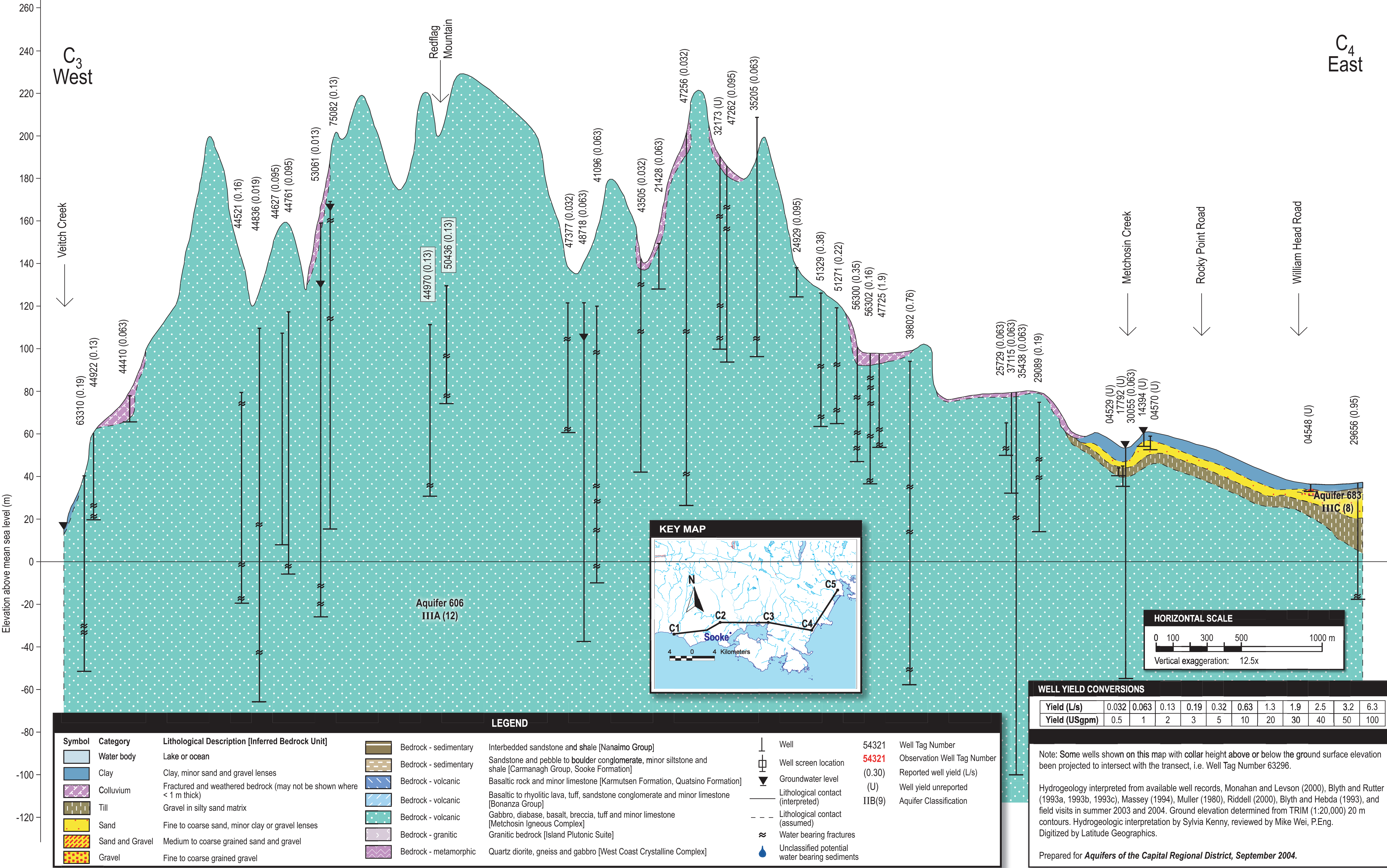
WELL TAG NUMBERS AND YIELDS

Well Tag Number	Yield (L/s)	Yield (USgpm)
54321	0.032	0.5
54321	0.063	1
54321	0.13	2
54321	0.19	3
54321	0.32	5
54321	0.63	10
54321	1.3	20
54321	1.9	30
54321	2.5	40
54321	3.2	50
54321	6.3	100

Hydrogeologic Cross-section C: Latitudinal Transect C₂-C₃ of Sooke and Western Communities from Orveas Bay to Ocean Boulevard, Subsection II of IV



Hydrogeologic Cross-section C: Latitudinal Transect C₃-C₄ of Sooke and Western Communities from Orveas Bay to Ocean Boulevard, Subsection III of IV



Hydrogeologic Cross-section C: Latitudinal Transect C₄-C₅ of Sooke and Western Communities from Orveas Bay to Ocean Boulevard, Subsection IV of IV

C₄ West **C₅ East**

Elevation above mean sea level (m)

Parry Bay Formation
Witty's Lagoon
Metchosin Road
Metchosin Gravel Pit
Cotlow Road
Royal Roads University
Belmont Road
Ocean Boulevard

Aquifer 683 IIC (8)
Aquifer 606 IIIA (12)
Aquifer 680 IIB (12)

Well Tag Numbers and Yields:
27133 (0.032)
44403 (0.63)
36857 (0)
37144 (0)
81706 (0.32)
81707 (0.32)
45640 (U)
44180 (U)
04527 (U)
17300 (U)
81700 (U)
81702 (U)

KEY MAP

HORIZONTAL SCALE
0 100 300 500 1000 m
Vertical exaggeration: 12.5x

WELL YIELD CONVERSIONS

Yield (L/s)	0.032	0.063	0.13	0.19	0.32	0.63	1.3	1.9	2.5	3.2	6.3
Yield (USgpm)	0.5	1	2	3	5	10	20	30	40	50	100

NOTES
Note: Some wells shown on this map with collar height above or below the ground surface elevation been projected to intersect with the transect, i.e. Well Tag Number 27133.

Hydrogeology interpreted from available well records, Monahan and Levson (2000), Blyth and Rutter (1993a, 1993b, 1993c), Massey (1994), Muller (1980), Riddell (2000), Blyth and Hebda (1993), and field visits in summer 2003 and 2004. Ground elevation determined from TRIM (1:20,000) 20 m contours. Hydrogeologic interpretation by Sylvia Kenny, reviewed by Mike Wei, P.Eng. Digitized by Latitude Geographics.

Prepared for *Aquifers of the Capital Regional District, September 2004.*

LEGEND

Symbol	Category	Lithological Description [Inferred Bedrock Unit]
[Blue box]	Water body	Lake or ocean
[Dark blue box]	Clay	Clay, minor sand and gravel lenses
[Purple box]	Colluvium	Fractured and weathered bedrock (may not be shown where < 1 m thick)
[Brown box]	Till	Gravel in silty sand matrix
[Yellow box]	Sand	Fine to coarse sand, minor clay or gravel lenses
[Orange box]	Sand and Gravel	Medium to coarse grained sand and gravel
[Red box]	Gravel	Fine to coarse grained gravel
[Brown box]	Bedrock - sedimentary	Interbedded sandstone and shale [Nanaimo Group]
[Brown box]	Bedrock - sedimentary	Sandstone and pebble to boulder conglomerate, minor siltstone and shale [Carmanagh Group, Sooke Formation]
[Blue box]	Bedrock - volcanic	Basaltic rock and minor limestone [Karmutsen Formation, Quatsino Formation]
[Blue box]	Bedrock - volcanic	Basaltic to rhyolitic lava, tuff, sandstone conglomerate and minor limestone [Bonanza Group]
[Green box]	Bedrock - volcanic	Gabbro, diabase, basalt, breccia, tuff and minor limestone [Metchosin Igneous Complex]
[Pink box]	Bedrock - granitic	Granitic bedrock [Island Plutonic Suite]
[Purple box]	Bedrock - metamorphic	Quartz diorite, gneiss and gabbro [West Coast Crystalline Complex]

Well
Well screen location
Groundwater level
Lithological contact (interpreted)
Lithological contact (assumed)
Water bearing fractures
Unclassified potential water bearing sediments
54321 Well Tag Number
54321 Observation Well Tag Number
(0.30) Reported well yield (L/s)
(U) Well yield unreported
IIB(9) Aquifer Classification

End of cross-section C

