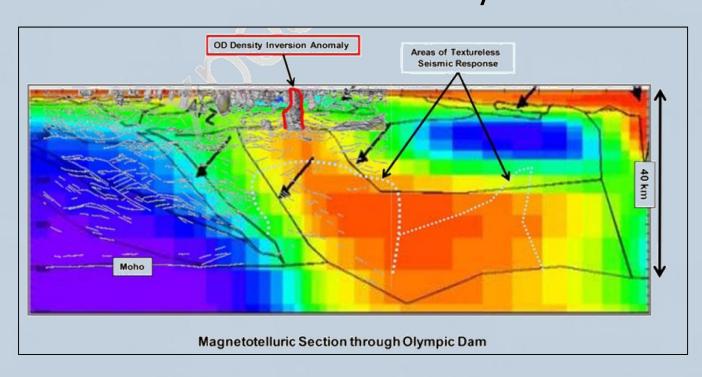
SEAM Are we ready for a SEAM thread in the Undercover Journey?











	Deposit	Deposit Type	Number of	Contributing
			Model Variations	Company
1	Synthetic Kimberlites	Kimberlite	13	Anglo American
				and Rio Tinto
2	Brunswick Mining and	VMS	12	Noranda
	Smelting #12 Mine			
3	San Nicolas	VMS	13	Teck-Cominco
4	Spence	Cu Porphyry	14	BHP-Billiton
5	Gamsberg	Sedex	13	Anglo American
6	Red Dog	Sedex	5	Teck-Cominco

Gravity Gradiometry-2001 IP-2005

Lithology	Base density	Relative density
ore	4.31	1.73
volcbreccia	2.85	0.27
maflowsed & volcseds	2.87	0.29
rhyoflows breccia & mvt	2.85	0.27
graphmudstone	2.58	0
rhyolite intrusions	2.75	0.17
overburden	2.00	-0.58

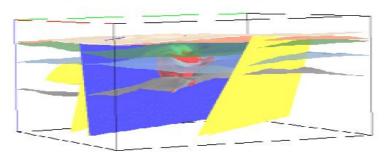
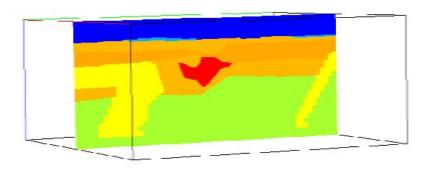
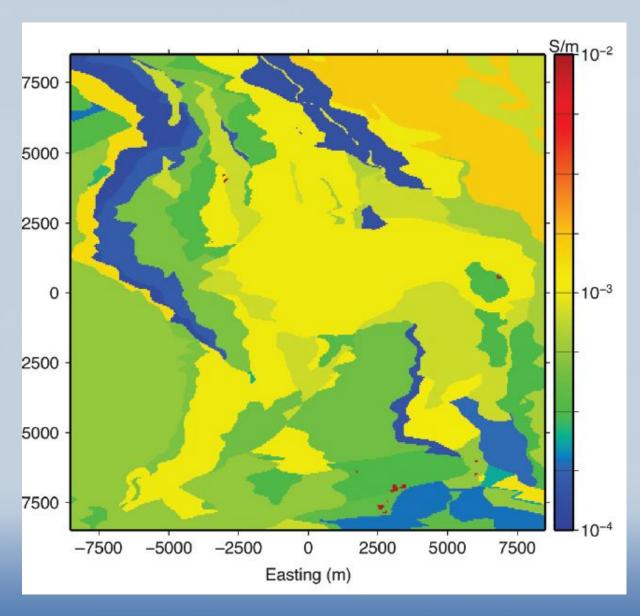


Figure 6. San Nicolas structural model.







CMIC-Foot Prints

- Canadian Malarctic-QE
- Millennium SK
- Highland Valley-BC

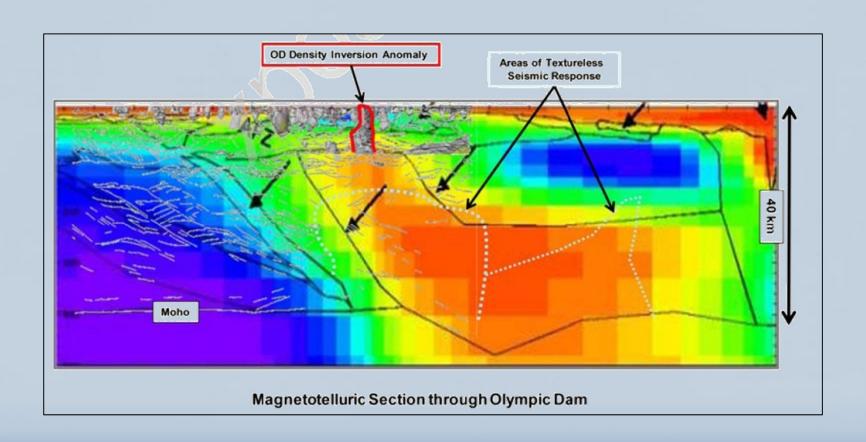


Role of SEAM Models-Value

- Exploration targeting-planning;
 synthetic/predictive
- Exploration targeting-tactical; real-time data analysis
- Educational

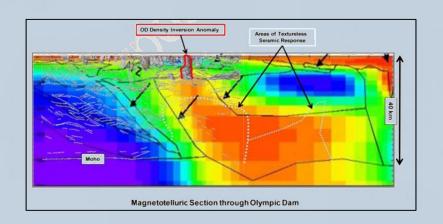
Undercover Toolkit





Undercover Toolkit





Density model
Conductivity model
Velocity model



Role of SEAM Models-Challenges

- Oil & gas model is high dependent on internal R&D groups supporting/using SEAM results
- Service component supporting minerals of limited technical depth/resources.
- Cost