

CEMI FAULT SLIP WORKSHOP- ROYAL YORK HOTEL, MAY 14-15TH, 2009
Salon 1 (19th Floor)
Preliminary Agenda

THURSDAY, MAY 14TH				
BREAKFAST (PROVIDED) 0800-0830				
SESSION	TOPIC	TIME	PRESENTER	COMMENTS
INTRODUCTION AND OVERVIEW	1. Welcome and purpose of workshop/Intro. of Co-facilitator	0830-0850	Damien Duff	Each participant will briefly introduce him/herself
CASE HISTORIES AND PROBLEM DEFINITION	1. Definition of Problem 2. Kidd Creek 3. Xstrata Sudbury 4. VI Sudbury	0850-0900 0900-0920 0920-0940 0940-1000	Denis Thibodeau Dave Counter Brad Simser Denis Thibodeau	Present examples that demonstrate success/failures in how we have dealt with controlling geological structures (Don't limit to Sudbury)
COFFEE BREAK				
STRUCTURAL GEOLOGY/ROCK MASS CHARACTERIZATION	1. The structural geology and tectonic environment associated with rock mass failures in Sudbury mines and implications for the assessment of fault slip events 2. What are the important characteristics of faults and how do we identify them? How can we anticipate the unexpected?	1020-1040 1040-1120	Larry Cochrane Mark Board John Fedorowich	In areas where too little geological information exists is it possible to scenarioize the potential structure so as to optimize the chances of managing energy release more effectively during mine design and operation? Can the possible geological architecture of an area be postulated so as to potentially anticipate a chain link reaction of ground failure?
WHAT WE'VE HEARD - DISCUSSION		1120-1200	All	
LUNCH (PROVIDED) 1200-1300				
SEISMOLOGY AND MINE SEISMICITY	1. Large Scale Fault Slippage- what we know and can learn from large systems? 2. Instability Indicators and detection of faults using microseismic data 3. Assessing Seismic Hazard in Mines 4. Lessons learned about fault stability assessment in S.A. mines	1300-1320 1320-1340 1340-1400 1400-1420	Matt Purvance Richard Lynch Cezar Trifu Gerrie van Aswegen	What are the fundamental mechanisms of fault slip?
ENERGY RELEASE CONTROL	1. The state of the art in energy release control 2. Can we define if and when a fault becomes critical?	1420-1440 1440-1500	Mark Board Steve McKinnon	"We don't know how to manage the energy release associated with Fault Slip"
COFFEE BREAK				
GEOPHYSICS & OTHER POTENTIAL TOOLS	1. Probabilistic Estimates of excavation performance in mines with fault slip 2. The state of the art in geophysical instrumentation as a means to map structural and other rock mass characteristics 3. Use of Seismic Tomography for inference of stress redistribution in rock 4. Data Integration as a tool to identify risk associated with fault slip	1520-1540 1540-1600 1600-1620 1620-1640	Dave Beck Claire Samson Erik Westman John McGaughey	- The need for better instrumentation and monitoring In conjunction with Richard Smith and Steve McKinnon
WHAT WE'VE HEARD - DISCUSSION		1640-1715	All	
DINNER (PROVIDED- MANITOBA ROOM) 1830				

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FRIDAY, MAY 15TH				
BREAKFAST (PROVIDED) 0800-0830				
SESSION	TOPIC	TIME	PRESENTER	COMMENTS
FRIDAY MORNING KEYNOTE ADDRESS	1. Rock Mechanics Challenges in mining	0830-0910	Peter Kaiser	
RE-CAP OF THURSDAY'S PROCEEDINGS	1. What we heard you tell us yesterday-	0910-0930	Cochrane/Duff	the takeaways from our presentations and discussions
BREAK-OUT SESSIONS	1. Selection of Break Out Topics and group assignments	0910-0920	Facilitated by Duff & Cochrane	Identify what research gaps exist and what opportunities there are for CEMI to support research excellence
	2. Break Out Sessions	0920-1015		
	COFFEE BREAK			
	3. Presentation of results from Break Out Sessions	1030-1115	To be assigned from within groups	
NEXT STEPS AND THANK YOU	1. List of action items	1120-1200	Cochrane/Duff	