Exhibit DFG-C-16

El Sur Ranch Change in River Flows from Pumping

(Data on Velocity Transects from Hanson, 2008)

River Flow Data

Date	USGS	VT1	VT2	VT3	Status	Pump Rate[1], cfs
8/30/07	7.3	2.40	2.08	1.08	Both off	
8/31/07	7.1	2.58	1.66	1.18	New on[2]	
9/5/07	6.4	1.62	1.34	0.35	New on	2.37
9/6/07	6.5	1.97	1.47	0.46	New on	
9/7/07	New Well pump test ends					
9/12/07	7.0	5.03	3.04	1.62	Both off	
9/13/07	7.1	5.28	2.92	1.76	Both off	
9/19/07	7.2	5.06	1.73	1.36	Old on[3]	2.26
9/20/07	7.4	5.09	1.63	1.85	Old on	
9/21/07	Old Well pump test ends					
9/26/07	8.2	5.27	3.08	2.41	Both off	
9/27/07	8.2	5.36	2.37	2.16	Both off	
10/3/07	8.2	5.30	1.46	1.96	Both on[4]	5.02
10/4/07	8.1	5.36	1.41	1.56	New on	2.37
10/5/07	Old Well stopped on 10/3/07; New Well stops pumping on 10/5/07					
10/10/07	12.0	6.93	3.16	3.35	Both off	
10/11/07	10.0	8.44	4.19	4.35	Both off	

Change in River Flow

Date	USGS -VT2	USGS -VT1	USGS -VT3	VT1-VT3	VT3-VT2	
8/30/07	-5.22	-4.90	-6.22	-1.32	1.00	Both off
8/31/07	-5.44	-4.52	-5.92	-1.40	0.48	New on[2]
9/5/07	-5.06	-4.78	-6.05	-1.27	0.99	New on
9/6/07	-5.03	-4.53	-6.04	-1.51	1.01	New on
9/7/07	New Well pump test ends					
9/12/07	-3.96	-1.97	-5.38	-3.41	1.42	Both off
9/13/07	-4.18	-1.82	-5.34	-3.52	1.16	Both off
9/19/07	-5.47	-2.14	-5.84	-3.70	0.37	Old on[3]
9/20/07	-5.77	-2.31	-5.55	-3.24	-0.22	Old on
9/21/07	Old Well pump test ends					
9/26/07	-5.12	-2.93	-5.79	-2.86	0.67	Both off
9/27/07	-5.83	-2.84	-6.04	-3.20	0.21	Both off
10/3/07	-6.74	-2.90	-6.24	-3.34	-0.50	Both on[4]
10/4/07	-6.69	-2.74	-6.54	-3.80	-0.15	New on
10/5/07	Old Well stopped on 10/2/07; New Well stops pumping on 10/5/07					
10/10/07	**-8.84**	-5.07	-8.65	-3.58	-0.19	Both off
10/11/07	-5.81	-1.56	-5.65	-4.09	-0.16	Both off

1- Pump rates from section 3.1 of Volume III - SGI, 2008

2- Both wells started pumping on Aug. 31; on Sept. 2 Old well stopped due to high conductivity - pg. 3-1, SGI, 2008

3 - Old well pump test started Sept. 14 - pg. 3-1 SGI, 2008

4- Both wells started pumping on Sept. 28; Old well stopped after 5 days due to high conductivity - pg. 3-1, SGI, 2008