

Mr. Bob Harrington
Inyo County Water Department
135 South Jackson Street
Independence, CA 93526

November 30, 2009

RE: Summary of Hydrologic Monitoring Activities
Rose Valley, Inyo County, California
Hay Ranch Project Conditional Use Permit #2007-03

Dear Mr. Harrington:

This letter is intended to summarize hydrologic monitoring activities conducted in November 2009 by TEAM Engineering & Management, Inc. (TEAM), related to the Hay Ranch Water Extraction Project and CUP #2007-03.

Baseline Data Collection

On November 19, 2009, static depth-to-water (DTW) measurements, one visual observation of the Siphon Well Outflow and four sets of flow rates were collected by TEAM from 30 monitoring locations in the Rose Valley area, as summarized in the attached table (Table 1). Pressure transducer data were downloaded from 24 units, including one "BaroTroll" measuring barometric pressure. On November 10, a DTW measurement at LADWP 816 Well was taken by LADWP personnel.

Baseline Data Collection Exceptions

There were no notable baseline data collection exceptions.

Maintenance/Installation Activities

There were no notable maintenance or installation activities.

Data Transmittal

TEAM has posted updates to the "Coso" database on the ICWD web server. Data from the four, flow-measuring devices installed at Davis Ranch and Little Lakes Ranch and flow graphing capabilities have been added to the "Coso" database program. TEAM has also uploaded new Rose Valley hydrographs in PDF form to the ICWD website.

Sincerely,
TEAM Engineering & Management, Inc.



Keith Rainville
Staff Geologist

S:\Coso.HR Monitoring Summary_Nov_09

Table 1
Field Observations of Rose Valley Hydrologic Monitoring Points
November 2009

Project Name:	Hay Ranch Project HMMP	Date: November 30, 2009
Location:	Rose Valley, Inyo County	
Observer(s):	K. Rainville	Page: 1 of 1

Well ID	Monitoring Point	Date	Time	DTW (ft)	Flow (cfs)	GWE (ft amsl)	Method	Transducer Log Interval	Notes
RV-10	Dews	11/19/09	9:30	231.46		3755.46	TEAM manual read	NA	
RV-20	LADWP 816	11/10/09	14:47	78.59		3436.47	LADWP manual read	NA	Data provided by LADWP
RV-30	Cal Pumice	11/19/09	8:32	240.59		3263.30	TEAM manual read	Hourly	
RV-40	Dunmovin	11/19/09	10:05	294.88		3252.99	TEAM manual read	NA	
RV-50	Hay Ranch North	11/19/09	8:45	191.59		3245.40	TEAM manual read	NA	
RV-60	Hay Ranch 1A	11/19/09	8:55	188.03		3244.14	TEAM manual read	Hourly	
RV-61	Hay Ranch 1B	11/19/09	9:01	188.75		3243.10	TEAM manual read	Hourly	
RV-62	Hay Ranch 1C	11/19/09	9:07	185.98		3245.52	TEAM manual read	Hourly	
RV-70	Hay Ranch South	11/19/09	NA	NM		NM	TEAM manual read	NA	No DTW, well area under construction
RV-80	Hay Ranch 2A	11/19/09	10:50	192.03		3240.97	TEAM manual read	Hourly	
RV-81	Hay Ranch 2B	11/19/09	10:58	194.06		3238.57	TEAM manual read	Hourly	
RV-82	Hay Ranch 2C	11/19/09	11:08	189.47		3242.63	TEAM manual read	Hourly	
RV-90	Coso Jct Ranch	11/19/09	7:54	171.17		3231.96	TEAM manual read	Hourly	
RV-100	Coso Jct Store #1	11/19/09	8:16	142.55		3229.57	TEAM manual read	Hourly	
RV-110	Davis Ranch North Well	11/19/09	13:14	6.47		3886.53	TEAM manual read	Hourly	
RV-111	Davis Ranch South Well	11/19/09	13:25	11.24		3886.76	TEAM manual read	Hourly	
RV-112	Davis Ranch South Flume	11/19/09	13:48	NA	0.012	NA	TEAM manual read	Hourly	
RV-120	Red Hill Well (BLM)	11/19/09	12:53	140.11		3200.72	TEAM manual read	Hourly	
RV-130	G-36	11/19/09	12:40	180.12		3199.90	TEAM manual read	NA	
RV-140	Lego	11/19/09	12:25	222.25		3200.60	TEAM manual read	Hourly	
RV-150	Cinder Road	11/19/09	11:37	190.96		3187.00	TEAM manual read	Hourly	
RV-160	18-28 GTH	11/19/09	12:05	174.03		3188.55	TEAM manual read	Hourly	
RV-170	Fossil Falls Campground	11/19/09	14:23	141.16		3175.61	TEAM manual read	NA	
RV-180	LLR North Well	11/19/09	15:06	40.16		3158.94	TEAM manual read	Hourly	
RV-210	LLR Dock Well	11/19/09	15:19	6.20		3147.94	TEAM manual read	Hourly	
RV-220	LLR Surface Level	11/19/09	15:28	3.67		3147.37	TEAM manual read	Hourly	
RV-230	LLR Little Lake Outflow	11/19/09	16:02	NA	0.019	NA	TEAM manual read	Hourly	
RV-240	LLR Coso Springs Flow	11/19/09	15:39	NA	0.523	NA	TEAM manual read	Hourly	
RV-245	LLR North Culvert Flow	11/19/09	16:22	NA	0.740	NA	TEAM manual read	Hourly	
RV-250	LLR Siphon Discharge	11/19/09	16:17	NA	YES	NA	TEAM visual read	NA	Discharging into Pond 2
RV-260	LLR Hotel Well	11/19/09	14:43	0.42		3138.36	TEAM manual read	Hourly	New Riser installed 10/16/09

NM - not measured; NA - not applicable; IO - Inoperative

DTW - Depth to water in feet below top of casing or other reference point