SOUTH FEATHER WATER & POWER AGENCY

TO: Board of Directors

FROM: Kathy Zancanella, Power Division Manager

DATE: July 16, 2009

RE: General Information (regarding matters not scheduled on agenda)
7/28/09 Board of Directors Meeting

Operations

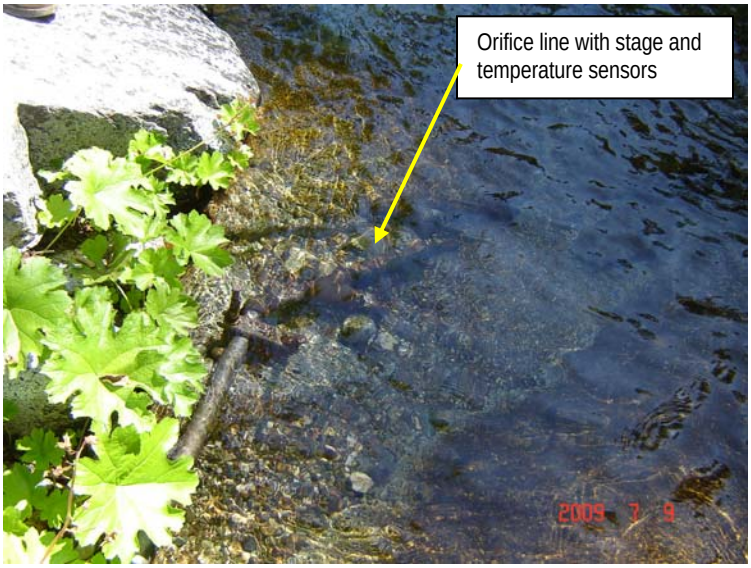
Attached is the Storage and Generation Report for June 2009. Also attached are charts showing reservoir levels through July 16. The late spring storms helped keep the runoff going well into June, and the water levels at Little Grass Valley and Sly Creek remained close to the maximum through the July 4th holiday weekend. The flow in Slate Creek has dropped close to the minimum flow requirement, so the diversion tunnel gates have been closed and all flows are being passed downstream.

El Niño is Back

The National Weather Service announced that El Niño has returned and is expected to last through this next winter, suggesting that it could be wetter than normal. The most recent El Niño happened in 2006, when the Forbestown rain gauge recorded almost 100 inches of rainfall, about 150% of normal.

Telemetry Upgrade Project

Mike Glaze, Matt Colwell, Art Martinez, Brian Howerton and I met with Mark Heggli of Innovative Hydrology to review the preliminary design for upgrade of the reservoir and stream telemetry sites to the GOES satellite network. There are still some technical issues to work out, but implementation is expected to begin in 2010. One of the most remote sites in the project is a stream gauge site on Lost Creek upstream of Sly Creek reservoir. On July 9, Brian, Scott Underhill and I



located the site (a previous site visit attempt with Mr. Heggli was thwarted by high water) and were able to provide photos of the equipment to Mr. Heggli.

Maintenance Projects

Slate Creek Diversion Vegetation Removal

During the week of July 6, several Power Division crew members worked on removing willows and other vegetation that had become established in the sediments behind the diversion dam. They also installed new barrier poles on the concrete weir in front of the tunnel intake, and straightened others. Most of the barrier poles are significantly rusted and will need to be replaced within the next couple of years. The downstream face of the dam was cleared of moss and other vegetation using a system of poles, scrapers and ropes.

Sly Creek "Soft Start"

Joe Romero, Marty Costa and Dorinda Matney have been working on a project that changes how load is picked up inside Sly Creek Powerhouse when the transmission and distribution lines are out of service and the equipment has to be run using the propane standby generator. At times in the past, when the station air compressor system started up, it overloaded the system by coming on at full load. Installing a "soft start" system allows the compressor to build up slowly, preventing disturbance of the other loads in the powerhouse.

Campground Maintenance Projects

The Sly Creek campgrounds have been receiving quite a bit of use this summer and, sometimes as a result of vandalism, a number of facilities have required maintenance. Henry Reeson has rebuilt the ADA accessible water pump at Strawberry campground, and the crew has re-secured the bear-proof garbage cans at the Sly Creek boat ramp. The Power Division boom truck was used to safely bring down a hazard limb over one of the campsites. A new concrete picnic table will be installed shortly, replacing a wooden table that has deteriorated.

General Information

EAP Exercise

The annual Emergency Action Plan for Dam Safety exercise was held the afternoon of July 8. This year's exercise included a security component, with Scott Alcantara serving as an intruder at one of the sites. John Shipman assisted with notifications to Woodleaf Operator Steve Owsley. The Butte County Sheriff's emergency dispatch center supervisor had been notified ahead of time that an exercise was scheduled for that day, so it also served as a training exercise for the 911 dispatchers on shift. One outcome of the exercise is a plan to install an additional intruder alarm at a site currently without one.

USGS Training

Brian Howerton and I attended a two-day class at CSU Sacramento on US Geological Survey hydrologic record development and measurements. The class was thorough in its coverage of the USGS requirements for data submittals and quality assurance. We were provided with training materials that will be passed along to our new hydrographer when that position is filled after the first of next year.

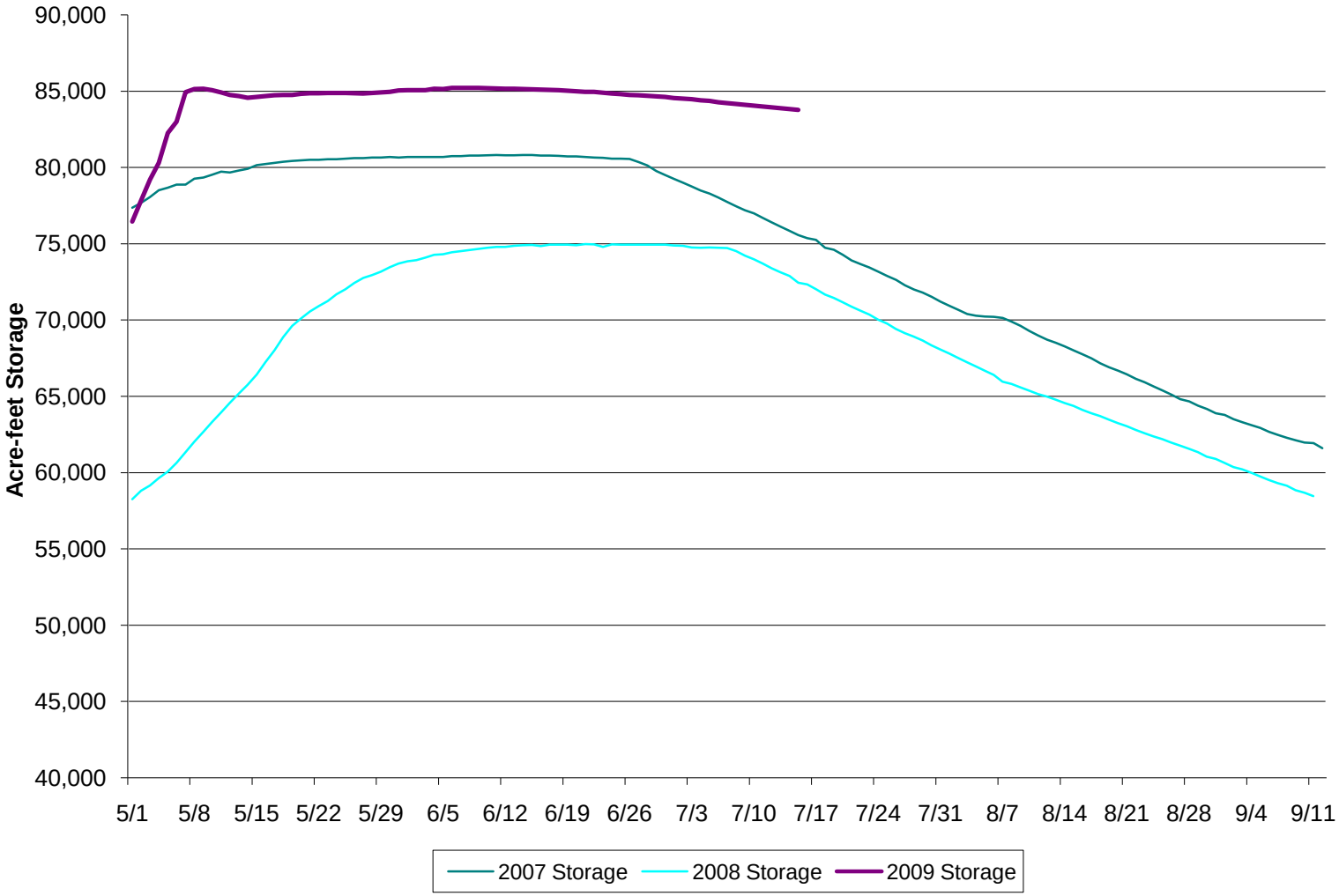
SOUTH FEATHER WATER AND POWER
SOUTH FEATHER POWER PROJECT
June 2009
STORAGE

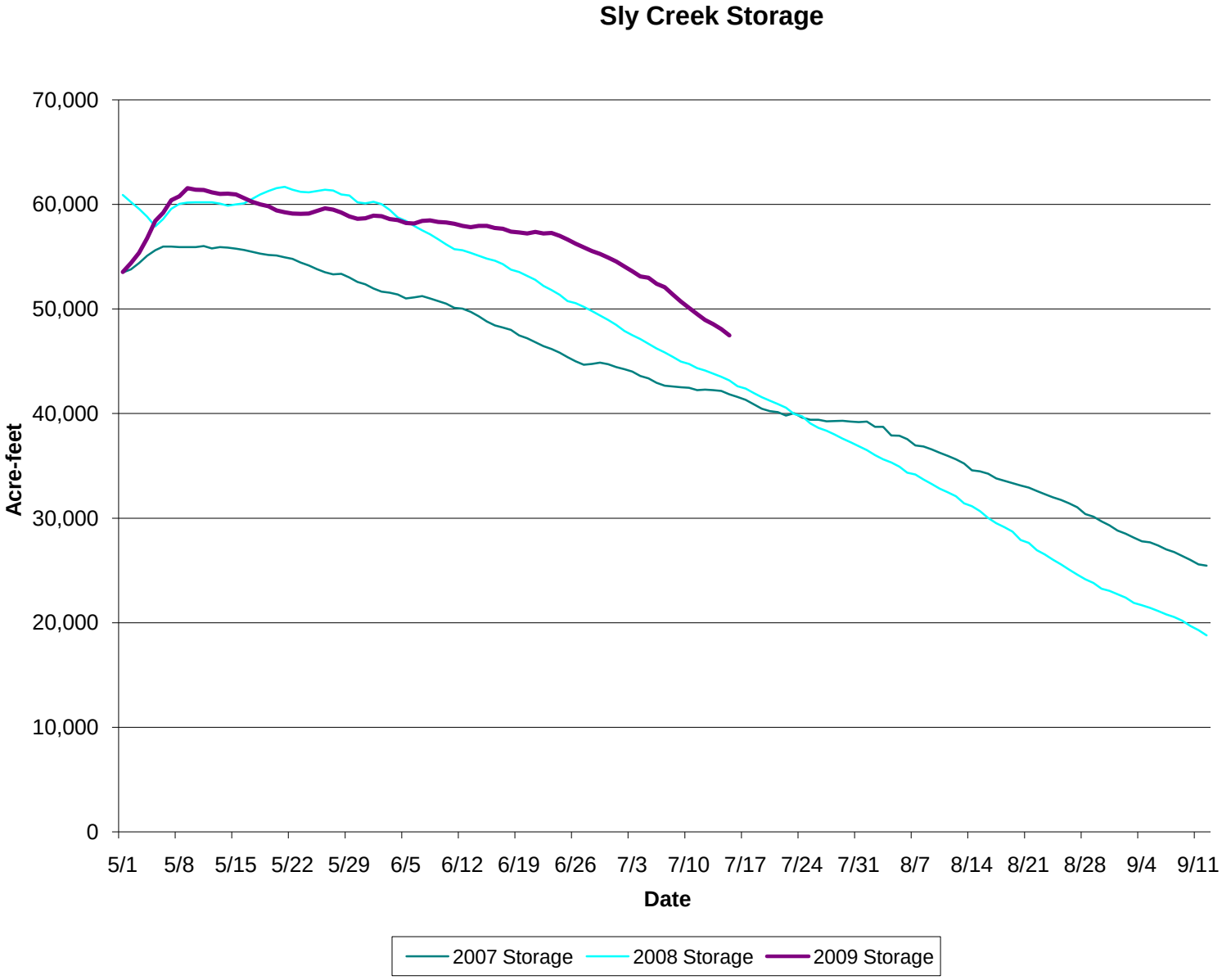
RESERVOIR	MAXIMUM CAPACITY		STORAGE ON 6-30-09		STORAGE ON 6-30-08	
Little Grass Valley	89,804	AF	84,616	AF	74,956	AF
Sly Creek	64,338	AF	54,909	AF	48,958	AF
Lost Creek	5,361	AF	4,260	AF	4,900	AF
Forbestown Diversion	352	AF	311	AF	322	AF
Ponderosa	4,178	AF	3,618	AF	3,911	AF
Miners Ranch	896	AF	717	AF	753	AF
TOTAL	164,929	AF	148,431	AF	133,800	AF
Slate Creek Tunnel	800	CFS	17	CFS	16	CFS
South Fork Tunnel	600	CFS	17	CFS	8	CFS
Miners Ranch Canal	303	CFS	257	CFS	257	CFS

MONTHLY NET GENERATION

	FOR June 2009		YEAR TO DATE ON 6-30-09		YEAR TO DATE ON 6-30-08	
Woodleaf P.H.	10,833,980	KWH	113,344,150	KWH	81,381,140	KWH
Forbestown P.H.	5,856,990	KWH	71,182,440	KWH	50,040,580	KWH
Kelly Ridge P.H.	5,509,805	KWH	35,660,373	KWH	36,008,330	KWH
Sly Creek P.H.	1,830,500	KWH	16,770,700	KWH	9,868,900	KWH
TOTAL	24,031,275	KWH	236,957,663	KWH	177,298,950	KWH

Little Grass Valley Storage




Sly Creek Storage
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
Acre-feet
5/1
5/8
5/15
5/22
5/29
6/5
6/12
6/19
6/26
7/3
7/10
7/17
7/24
7/31
8/7
8/14
8/21
8/28
9/4
9/11
Date
2007 Storage
2008 Storage
2009 Storage