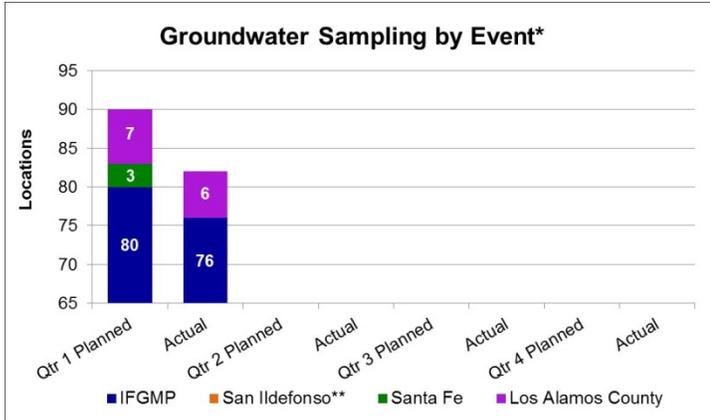


LANL Water Protection Status Report — Fiscal Year 2014 First Quarter (October to December 2013)

	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr
Groundwater Protection — Continued monitoring of the Buckman Direct Diversion and Los Alamos County Water Supply Wells	<input checked="" type="checkbox"/>			
Groundwater Protection — Continued implementation of the Interim Facility-Wide Groundwater Monitoring Plan (IFGMP)	<input checked="" type="checkbox"/>			
Surface Water Protection — Continued protection of surface water through implementation of the Individual Storm Water Permit (IP)	<input checked="" type="checkbox"/>			
Buckman Early Notification System operability at 100% per memorandum of understanding (MOU) requirements	<input checked="" type="checkbox"/>			

Groundwater Protection



* An event is a single-screen well location, each individual well screen for multiscreen wells, spring, or base-flow location.

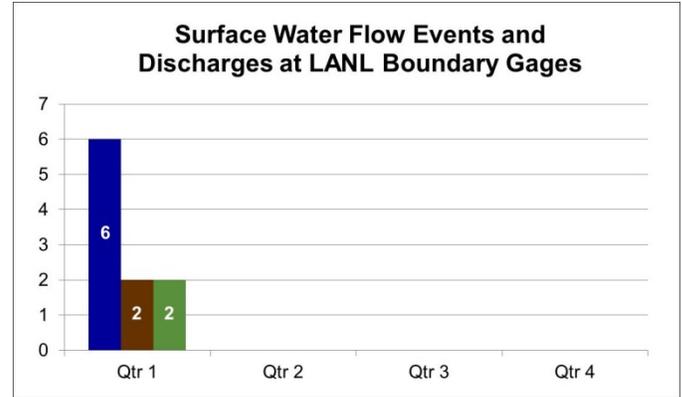
** San Ildefonso locations included in both the IFGMP and San Ildefonso MOU are identified as San Ildefonso locations for this report.

FY13, 4th Quarter (Jul–Sep) Analytical Summary: Analysis of the 84 groundwater samples collected this quarter provided 18,562 analyte measurements of which no new exceedances were confirmed to be from a Los Alamos National Laboratory (LANL) source. (FY14, 1st quarter analytical results are pending.)

First Quarter Sampling Event Deviation Explanations:

- (1) **IFGMP:** R-28 and R-42 sampling was offline because of aquifer tests; Sandia Spring was frozen; and Spring 2 had snowmelt interference.
- (2) **San Ildefonso:** Not scheduled in the 1st quarter.
- (3) **City of Santa Fe:** Sampling canceled as requested by the City of Santa Fe.
- (4) **Los Alamos County:** One well (PM-4) was not operating.

Surface Water Protection



■ Days with measured flow* at any LANL gage station (>5 cubic feet per second [cfs])

■ Days with measured flow* at LANL boundary stations E050.1, E060.1, E125, E250, E265, E267, E275, and E338 (>5 cfs)

■ Days with measured flow* at Buckman Early Notification Stations E050.1 and E060.1 (>5 cfs) from LANL watersheds.

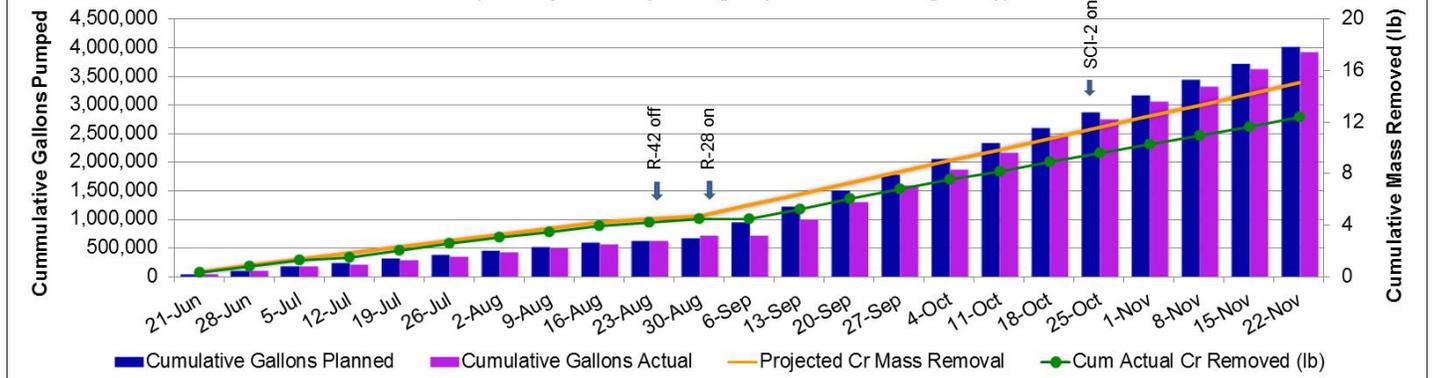
*“Days with measured flow” is computed as the sum of the number of days each station exhibited flows greater than 5 cfs.

Notes:

- (1) Several gage stations were damaged by the September 13, 2013, flood and are being repaired.
- (2) Flow greater than 5 cfs was recorded for 70 days at gage station E123 below the Sandia Canyon wetland because of construction dewatering and is not representative of natural conditions. Thus, it is not included in the graph.
- (3) Two days of flow greater than 5 cfs were recorded at Buckman Early Notification Station E050.1 because of the release of water from the Los Alamos Canyon reservoir.

Chromium Project Metrics

(from 4 p.m. Friday through 4 p.m. the following Friday)



Notes:

- (1) Through the end of FY14, 1st quarter, a total of 12.37 lb of chromium was removed from the 3.9 million gallons of groundwater extracted from the aquifer below Mortandad Canyon.
- (2) Pumping is suspended for the winter and will resume during spring 2014.