## Suprising test results: estos in water wells

By BOB SMITH

High concentrations of water-borne asbestos have been found in one Aptos water well, the Soquel Creek County Water District board was told Monday night.

The water district last November and December ordered spot checks of water samples taken from three widely scattered water wells in the district and three points in the district's water distribution system.

The tests were ordered to see if the asbestoscement pipe widely used in the water district was releasing microscopic asbestos fibers into the water supply.

But the tests showed that there were higher concentrations of asbestos in the water pumped directly from the district's wells than in the samples taken after prolonged contact with the asbestos pipe in the distribution system.

"There is a background level in our wells," District general manager Robert Johnson told the water board members, "but there is less when it goes through the distribution system."

The conclusion reached board members Monday night is that the district's water is not "corrosive" and is not attacking the walls of the asbestos-cement pipe, releasing the fibers into the water supply.

In each of the samples

collected in the Capitola, Ave., Aptos, but Johnson no evidence, according Aptos and La Selva Beach told the board members the federal Environmen portions of the water that the water in that tal Protection Agency system, there were measurable amounts of asbestos fibers, but the highest concentrations were measured in water collected from the Aptos Creek (Johnston) well on Aptos Creek above Aptos Vil-

In that sample, 19 million fibers per liter of water were measured. Water from that well normally flows into the Aptos-Seacliff distribution system.

Water collected at the Tannery Well in Soquel (supplying Soquel and Capitola) had only 2.3 million fibers per liter and the Altivo well sample (La Selva Beach) measured 7.4 million fibers per liter.

Although the well water samples had comparatively high amounts of the microscopic fibers in them, samples taken from the water distribution system, which uses extensive amounts of asbestos-cement pipe, had far fewer fibers than the well samples.

Samples taken at homes and businesses were supposed to be correlated with the water well samples, but Water District General Manager Robert Johnson said the Aptos samples were taken on two different sections of the district's lines.

The Aptos distribution sample, Johnson said, came from 510 Monterey

del Mar area.

Water from the Monteper liter.

of the wells supplying Capitola Ave., Capitola, showed only 500,000 fibers per liter.

the samples collected.

The fibers counted in than one-half millionth of other parts of the nation. a meter(micron) up to more than five microns in federal or state standards

known cancer-causing vidual EPA researchers. material and its presence using the airborne samin the atmosphere is ples as a base, have protightly regulated by fed- posed limits in the range eral and state govern- of 400,000 to 600,000 samments. But so far, there is ples per liter.

sample did not come from that water-borne asbestos the Aptos Creek well, but poses the same health another well in the Rio hazard as the airborne

However, rey Avenue sample con-researchers have recently tained 1.5 million fibers discovered that waterborne asbestos can pass The Tannery well is one through the intestinal walls of humans and aniwater to the Capitola- mals into the blood Soquel area. Water sam- stream, and ultimately ples collected at The concentrate in organs Green Sheet office, 720 such as the kidneys and bladder.

However, the Safe Water from the La Water Drinking Commit-Selva system, which is tee of the National Acadisolated from the remain- emy of Sciences reviewed der of the water district, animal toxicology reports was collected at 311 Mar in the late 1970s and con-Monte Ave. It showed cluded that there was no only 300,000 fibers per evidence of increased liter, the lowest of any of cancer incidence by asbestos ingestion.

Subsequent studies also the local water samples indicated no evidence of are so small that an elec- asbestos-caused cancer in tron microscope must be humans regularly conused. Fibers counted in suming large amounts of the test range from less asbestos-laden water in

Currently, there are no for asbestos fibers in Airborne asbestos is a water supplies, but indi-