The image features two green, rod-shaped E. coli bacteria positioned horizontally. Each bacterium is surrounded by a dense, radiating field of fine, hair-like flagella. The background is dark, with a warm, glowing orange and yellow light emanating from behind the bacteria, creating a dramatic, almost ethereal effect. The overall composition is centered and symmetrical.

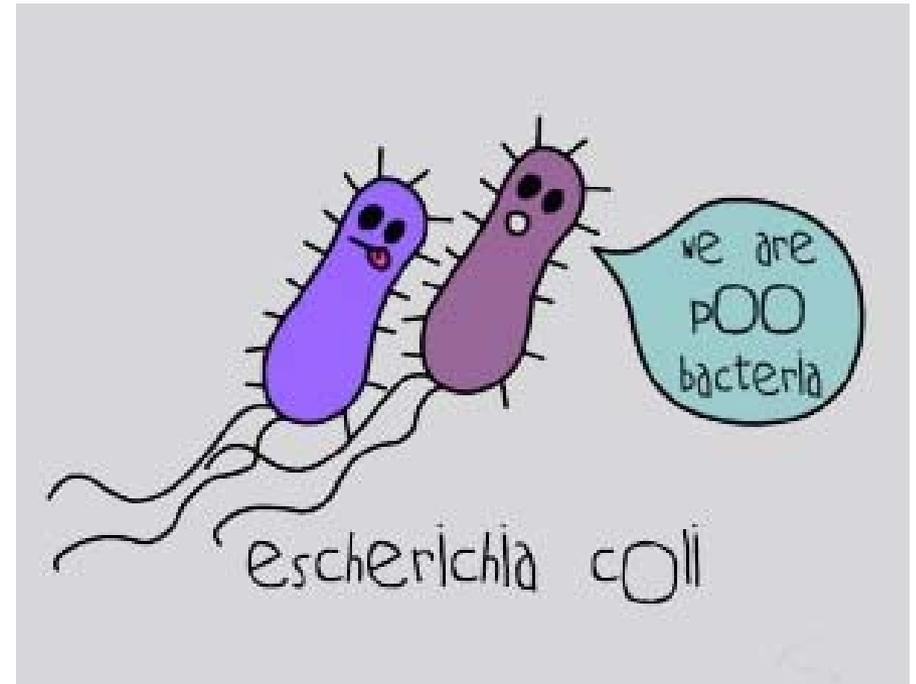
E. coli

Something to think about

Coeur d' Alene Regional Office

E. coli situation

- 13 wadeable streams with E. coli conc. in excess of criteria
- E. coli TMDLs
- Hauser Creek
- < COWS



Bellgrove Cr; Easy



Others; not so easy

- Not dominated by any single land use
- Homes, potential human sources
- Pastures, potential cow sources
- Wildlife?



2006 Salinas Spinach/E. coli scare

- 0157:H7 strain
- Bloody diarrhea
- Deaths (3)
- Hospitalization (144)
- Hemolytic uremic syndrome (31)





**Spinach
Scare in
press**

+

**Proposed E.
coli listing**

=

Panic



CSI:

CRIME SCENE INVESTIGATION



Watershed Recon

- Houses
- Few Cows

Not how it works

Hypothesis 1

cows are the source of *E. coli*



Hypothesis 2

humans are the source of *E. coli*



Hypothesis 3

cows and humans are the source of *E. coli*





Human E. coli



Cow E. coli

Lower Riley Creek



Avian Dog Bear Coyote Cow Duck Unknown



Turkey
Goose

Bovine

Canine

Crow

Deer

Elk

