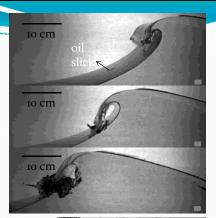
Physical processes enhance breakup of oil treated with dispersants

- surface waves and rain drops striking oil slicks produce micron sized droplets in air and water
- Biological activity such as feeding currents and swimming behavior also break up dispersant treated oil
- Aerosols may be health hazard to humans and wildlife







Protozoa and copepods ingest small oil droplets • Dispersed oil in size range of food for zooplankton, and readily consumed by protozoa and metazoans • Ingested toxic PAHs readily absorbed and concentrated in crustacean zooplankton • Volume of oil where toxic thresholds exceeded relatively small, and zooplankton reproduce rapidly

