





Tourism

Recreation

Commercial Fishing

Sport Fishing

Subsistence

Airborne contamination

Precipitation

Alaska Current

Eddy

Continental Shelf Break

Shelf Front

Alaska Coastal Current

Coastal Communities

Freshwater runoff

Aleutian Low Pressure

WIND

Ekman Transport



Plankton

Phytoplankton

Zooplankton

Forage Fish

Sea Birds

Marine mammals

Adults

Salmon Migration

Large Fish

Photic boundary

Downwelling

Shelf break

Turbulence

Carbon pump

DETRITUS

NUTRIENTS

Lunar forcing

Sill

Tidal mixing

Overwintering copepods

GULF OF ALASKA

"Old carbon" + Nutrients

Continental shelf

Deep hole

Benthic Communities







21 de setembro: Dia da Árvore.



2004 More mobile phones than fixed line phones worldwide

2004 Internet enabled car radios provide weather and ads

2005 Billboards send electronic coupons to mobile phones

2006 Portable device batteries last weeks without recharge

2006 Photo-realistic virtual reality games for all ages

2006 Digital TV recorders can store hundreds of hours on single disc

2007 PCs, phones and TVs recognise voice commands

2007 Pre-recorded TV rapidly gains share of viewing vs live

2008 Wrist watches become internet communicators

2008 TV-on-demand at mass market prices - viewers create channels

2009 Digital-to-analogue TV adaptors a big new sector (for bedroom sets)

2010 The video phone takes off (all PCs are also phones and TVs)

2010 Thin, flat, large screens used for PC/TV/Phone

2010 Internet provides vast array of interactive TV services

2010 Most TV ads are interactive

2011 Bathroom mirrors display e-mail ticker while you shave / put on makeup

2012 Computers generate photo-realistic movies and ads - including actors





