

Fisheries Information System (FIS)

Alaska
AKR - AFSC
FIS Partner Brief

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Organizational Background

- Research and management of Bering Sea/Aleutian Islands and Gulf of Alaska
 - Groundfish
 - Halibut
 - Crab & Scallops
- Large observer program (AFSC)
 - no coverage required for vessels <60'
 - 30% coverage if vessel 60 - 125'
 - 100% coverage if > 125'
 - 200% coverage for certain management programs
- Mandatory industry reporting (AKR)
- Total Catch (including discards & bycatch) estimated from combination of observer and industry data



Organizational Profile

Management environment

- One Council, one state, one international commission (IPHC)
- 5 Fishery Management Plans
- 8 Limited Access Privilege Programs
- 28 groundfish species or species groups managed
- 600 quota management allocations

Number of active permits

- Vessels: 1,500 catcher vessels, 100 catcher processors, 3 motherships
- Dealers: 100 groundfish, 200 IFQ halibut
- Subsistence halibut: 16,000

Volume of reports (yearly)

- Vessel (production reports): 2,000
- Vessel (logbooks): paper
- Dealer (landing reports): 13,500
- Observer (hauls): 62,000



Major Challenges

- Demanding Management Environment
 - High stakes: lucrative fisheries, pristine habitat, traditional lifestyles
 - Complex population dynamics and abundance science
- 600 quota allocations/limits
 - Example: Pacific Cod in Bering Sea TAC distributed into 3 sectors (CP, CV, CDQ), 4 gear types, 3 seasons
 - Sideboards (limit participation in open access fisheries)
- Rationalization of fisheries (individual quotas)
- Prohibited species
 - Halibut, crab, salmon, herring
 - Hard caps
 - Mandatory discard (challenge to count)
 - May require fishery closures



Solutions / Key Accomplishments

- eLandings
 - One stop reporting from multiple fisheries to multiple agencies
 - Improves accuracy and timeliness, near-real-time online reporting
 - IFQ Halibut, Sablefish, IFQ Crab
 - Groundfish:
 - Shoreside : landing reports
 - At-sea: production reports
- Atlas – at sea observer reporting system
 - Haul/delivery species composition and mammal interaction
 - On demand satellite data transmission

Solutions / Key Accomplishments cont.

- Catch Accounting System
 - Establish accounts (match the Annual Specifications)
 - Integrate data from multiple data sources with no duplication
 - Estimate prohibited species catch and at-sea discards
- PII Security Project: Isolate and Surrogate
 - Isolated PII in database and use roles to limit access
 - Replace PII data with surrogate values
 - Data mapping relations & unique IDs are maintained in production

Planned Regional Initiatives

- eLandings
 - Mandatory electronic reporting Jan. 2008
 - Shoreside: met requirement
 - At-sea fleet: 1/2008
 - Continued development
 - eLogbook
- Atlas- at sea observer reporting system
 - Iterative development and annual redeployment through 2010
- Catch Accounting System
 - Implementation of LAPPs
 - Analysis of catch & bycatch estimation methods
- Recreational fisheries statistics (charter halibut)

Questions?

