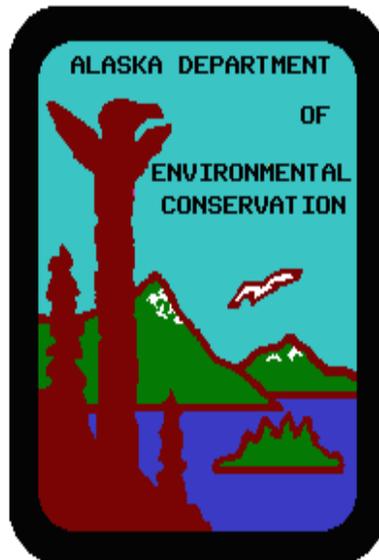


**2013 ANNUAL REPORT TO THE BOARD OF FORESTRY
from the
ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF WATER**



March, 2014

I. Overview

The Alaska Department of Environmental Conservation (DEC) appreciates the opportunity to present to the Board of Forestry (Board) its 2013 annual report on the effectiveness of the Alaska Forest Resources and Practices Act (FRPA) and the FRPA regulations in meeting state water quality objectives.

DEC's FRPA water quality objectives for forest operations are: (1) meeting state water quality standards (18 AAC 70); and (2) not causing "degradation of water quality" as defined in 11 AAC 95.900.

The FRPA and regulations specify and require the proper application of Best Management Practices (BMPs) to meet the FRPA water quality objectives. Determining if the BMPs are implemented, and if they are effective in meeting the water quality objectives, occurs primarily through: (1) state resource agency staff conducting formal compliance monitoring on timber harvest operations, and conducting forest practices field inspections; (2) operators performing routine self-monitoring; and (3) the collection, analysis, and reporting of water quality and fish habitat monitoring data from comprehensive BMP effectiveness projects. Under the authority of the federal Clean Water Act (CWA), DEC is involved in similar activities on U.S. Forest Service (USFS) lands.

In 2013, DEC reviewed timber harvest plans on all land ownerships, and participated in field inspections, primarily on Afognak and Kodiak Islands. Together with the Department of Natural Resources (DNR) Division of Forestry (DOF) and Alaska Department of Fish and Game (ADF&G) Habitat Division, these reviews and inspections have proven invaluable to ensuring that the BMPs are properly implemented and are effective at protecting water quality. We expect to conduct approximately the same number of plan reviews and field inspections in 2014, and to continue to focus field work on Afognak and Kodiak Islands.

II. Forest Practices Implementation on Private, Municipal, and Trust Lands

DEC maintains one full-time staff position assigned with statewide Forest Practices Program responsibilities on all land ownerships. Because of this limited staffing, the department has focused its field work on Afognak and Kodiak Islands where there are three on-going logging operations. This provides the greatest "bang for the buck" in terms of maximizing the most inspection time with the least amount of travel expenditure.

a. Review of Forest Practices Notifications:

DEC provided detailed review comments on each of the 20 Forest Practices Notifications that were received for logging operations on private lands in the Coastal Region, and on all 10 Forest Practices Notifications that were received for the Southcentral and Northern Regions.

b. Compliance Monitoring and Forest Practices Inspections:

In 2013, formal BMP compliance monitoring continued to be conducted by the DOF Forest Practices Foresters on all operations in their respective areas in conjunction with routine forest practices inspections. DEC participated in 36 days of compliance monitoring inspections that

were conducted on Afognak and Kodiak Islands. We look forward to reviewing the DOF's statewide summary of the 2013 compliance monitoring results.

III. State Land Activity

Activity on state land consisted of providing detailed written review comments on all Forest Land Use Plans (FLUPs) that were received during 2013. These included FLUPs for the following state timber sales:

- Hard Telling, Not Knowing (Fairbanks Area)
- Two Rivers Junction (Fairbanks Area)
- Standard 6 Mile Spruce #2 (Fairbanks Area)
- Halfaspruce (Fairbanks Area)
- High Standards Spruce (Fairbanks Area)
- Berg Birch (Fairbanks Area)
- Nenana Ridge East Aspen #1 (Fairbanks Area)
- Loop Birch (Fairbanks Area)
- Old Valdez Trail Spruce (Fairbanks Area)
- Hastings Salvage #1 (Fairbanks Area)
- East Spur (Mat-Su Area)
- Chrome #1 (Mat-Su Area)
- East Ninilchik (Kenai Area)
- North Ranch (Kenai Area)
- South Ninilchik (Kenai Area)
- Jerome (Kenai Area)
- Mississippi Fire Salvage (Delta Area)

IV. Federal Land Activity

The USFS continues to make progress on water quality issues by implementing the Tongass National Forest tasks identified in the Alaska Nonpoint Source Pollution Control Strategy (2007), and in the 1992 Memorandum of Agreement (MOA) between the USFS and DEC. The basis of DEC's work with the USFS is the state's (through DEC) authority over water quality on federal lands, per the provisions of the federal Clean Water Act.

The MOA establishes the USFS as the agency responsible for monitoring and protecting water quality on National Forest System lands in Alaska, and describes specific DEC and USFS activities to accomplish that policy directive. The USFS has continued to accept input from DEC on improving its annual program for monitoring the implementation of BMPs and Forest Plan Standards and Guidelines for the protection of water quality and fish habitat.

The revised Tongass Land Management Plan (TLMP) commits the USFS to monitoring the implementation and effectiveness of water quality and fish habitat-related BMPs (found in the USFS Region 10 Soil & Water Conservation Handbook and the USFS National Core BMPs) and Standards and Guidelines (specified in TLMP). DEC has continued to actively work with the USFS to ensure that this monitoring is carried out, and that analysis of the data presents an

accurate assessment of the implementation and effectiveness of the BMPs and Standards and Guidelines.

In 2013, DEC provided detailed review comments on all NEPA documents that were received for timber sale and aquatic restoration projects on the Tongass National Forest. These included the NEPA documents for the following projects:

- Phase II Twelvemile Creek Restoration Project EA
- Kruzof Island Integrated Resource Project Scoping
- Luck Creek Restoration Project Scoping
- Luck Creek Restoration Project EA
- False Island Small Timber Sales Scoping
- Wrangell Island Timber Sale Scoping
- Mitkof Island Small Sales Scoping
- Corner Bay Small Timber Sale Scoping
- Eight Fathom Rock Pit Expansion CE
- Tongass Forest Plan Five-year Review

DEC also participated in the annual BMP implementation monitoring that was conducted on the Petersburg Ranger District.

V. Special Projects

Alaska's Clean Water Actions (ACWA) Grant Solicitations

DEC has administered an ACWA grant program on an annual basis in conjunction with DNR and ADF&G since 2002. The program funds water body assessment and restoration projects throughout the state from a variety of funding sources, including Clean Water Act (CWA) Section 319 grants. Projects are either specific to a single water body or designed as “stewardship” projects, which affect multiple water bodies. In addition, in an effort to streamline the grant application processes, projects specifically related to the Beaches Environmental Assessment and Coastal Health (BEACH) Act funding have been included since 2006. Also, the Clean Vessels program is new for FY15, with grant monies made available via a Reimbursable Services Agreement from ADF&G. More information on the ACWA program can be found on the ACWA website located at

http://www.dec.state.ak.us/water/acwa/acwa_index.htm.

CWA Section 319 funding provides the majority of monies available through the ACWA grant program. However, there has been a downward trend in CWA Section 319 funding nationwide. Given the decline in Section 319 funding, EPA worked with states to complete an analysis of the 319 program to determine how best to use the available funds. As a result, EPA is focusing on using the reduced funds for water body restoration/recovery efforts.

DEC has identified specific high priority water body actions which (1) DEC has made a commitment to the public to address the concern, (2) assess threatened waters for impairment, (3) assist in development of a Total Maximum Daily Load (TMDL) or recovery plan, or (4) implement TMDLs or recovery plans. This comports with EPA’s direction in focusing funds on

water body recovery and restoration efforts. The anticipated available funding sources and approximate amounts for FY15 are shown below.

Funding Source	Approximate FY15 Amount Available (in thousands of \$)
Nonpoint Source Pollution (CWA Sec. 319)	\$350.0
ADEC BEACH Grant (monitoring marine beaches for bacterial pollution)	\$100.0
Clean Vessels Grant (via RSA from ADF&G)	\$50.0
Total	\$500.0

As mentioned previously to the Board, given the decline in available funding combined with higher priority actions, DEC decided to drop Forest Practices as a stewardship priority, particularly since monitoring to date has shown that the BMPs have been effective at protecting water quality.

VI. Budget and Staffing

DEC's program of work related to forest practices focuses on ensuring the implementation of forestry BMPs via timber harvest plan reviews and field inspections on state, municipal, federal, and private lands. To accomplish this, DEC maintains one full-time staff position to oversee forest practices activities statewide. This position is funded primarily through a Performance Partnership Grant from the EPA. With the relatively low amount of timber harvesting throughout the state, this level of staffing has been appropriate, particularly given the oversight of forest practices activities provided by the greater number of DOF and Habitat Division staff. At this time, the department does not plan on adding additional staff to our Forest Practices Program.

VII. DEC observations on the effectiveness of the FRPA in protecting water quality

The three resource agencies have relied primarily upon plan reviews and field inspections to evaluate the success or failure of forestry BMPs. Information and new knowledge from these efforts, and from forest practices effectiveness monitoring projects, have and will continue to provide the basis for future recommendations on any improvements to the FRPA and its

supporting regulations. DEC continues to believe that, when properly implemented, the BMPs of the Forest Practices Regulations are effective at protecting water quality.

VIII. Tasks and Initiatives for Calendar Year 2015

In addition to the standard FRPA implementation tasks on state, private, and federal lands, the department expects to complete the following tasks in 2015:

- Continue to work with DOF and the Habitat Division in prioritizing and reviewing BMP effectiveness monitoring projects, such as the Trends Monitoring of Fish Habitat Conditions in S.E. Alaska study.
- Participate as a member of the State Tongass Team to work cooperatively and proactively with the Tongass National Forest in addressing and resolving issues and concerns early in the timber sale planning process.