Reservations of Water in Alaska

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Facts:

- > 586,412 Square Miles of Land Area
- > 43 % of the Alaska is wetlands
- Over 3 Million Lakes > 1 acre
- > 167,000+ "rivers" in Alaska
- More Coastline than the rest of the Continental US. Almost 34,000 miles
- With the extension of the <u>Aleutian Islands</u> into the eastern hemisphere, it is technically both the westernmost and easternmost state in the United States, as well as also being the northernmost

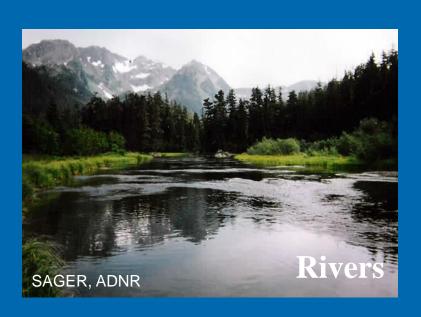
Summary of Alaska's Water Law

- Alaska's Constitution public resource 1953
 - Article VIII, Sections 3 & 13
 - Sec 3: Common Use
 - •Wherever occurring in their natural state, fish, wildlife, and waters are reserved to the people for common use.
 - Sec 13: Water Rights

All surface and subsurface waters reserved to the people for common use, except mineral and medicinal waters, are subject to appropriation. Priority of appropriation shall give prior right....

- •Alaska Water Use Act (AS 46.15) 1966
- Reservation of Water Amendment (AS 46.15.145) 1980

WHAT IS A RESERVATION OF WATER?



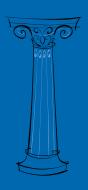


A reservation of water means:

To appropriate water for the purpose of maintaining a specified instream flow or level of water at a specified point on a stream or water body or in a specified part of a stream or water body for specified periods of time and for one or more permissible purposes.

OR IN A NUTSHELL:

A reservation of water is a water right that leaves water in the river or lake in order to protect specific water use(s).



Reservation of Water (AS 46.15.145)

- Set forth procedure for obtaining water rights for instream use or lake level. (see also 11 AAC 93.141- .147)
- Allows any person or entity to apply for reservations of water in rivers or lakes
- Allows up to 3 years after filing to quantify proposed reservation with possible 2 year extension, if granted by DNR, to support analysis to substantiate amount of water required.

4 Categories of Instream Flow Uses



Robert Angell, AK Div. Of Tourism



Navigation Terry Schwarz, ADNR



Recreation/Aesthetics



Water Quality



Instream vs. Out-of-Stream Uses of Water

Instream:

Water needed in the system (river or lake) to carry out vital functions

- > Fish and Wildlife
- Recreation/Aesthetics
- Navigation
- Water Quality

Out of Stream:

Water removed from the system or flow regime is altered

- Power Generation
- Domestic/Industrial
- Irrigation
- Mining
- Recreational (snowmaking)

Reservation of Water

An application is submitted to DNR and must contain supporting data and analyses which provides a scientific basis for the requested flows or lake levels

Adjudication – administrative determination of the validity and amount of water right, including the settlement of conflicting claims among competing appropriators (Estes 1998).



Measuring Stream Discharge/Water Level

- Stream gaging stations collect discharge (flow) data which are compiled and published.
- This data is the most comprehensive source of information on the amount of discharge in a stream and water levels.



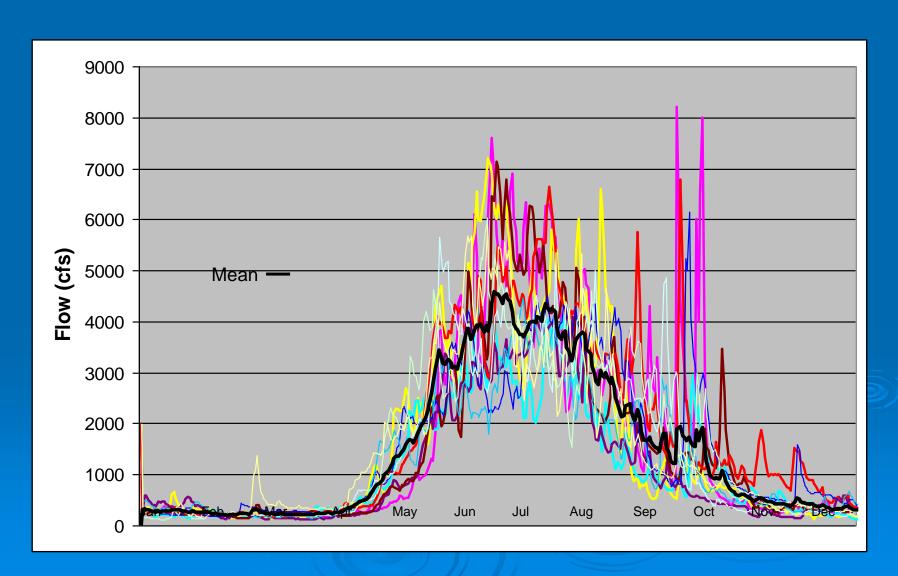


JSGS ADNE

Key Components of the Natural Flow Regime

(colors represent different years)

Magnitude Frequency Duration Timing Rate of change



Fish Species Information

(Presence/absence, life phase, distribution, timing)

Example Fish Periodicity Table

Coho Salmon
Smolt Passage

Adult Passage

Spawning Incubation

Rearing

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
			XXXX	XXXX	XX						
						XXXX	XXXX	XXXX	XXXX		
							XXXX	XXXX	XXXX	X	
XXXX	XXXX	XXXX	XXXX				XXXX	XXXX	XXXX	XXXX	XXXX
XXXX											

Pink Salmon

Smolt Passage
Adult Passage

Spawning

Incubation

Rearing

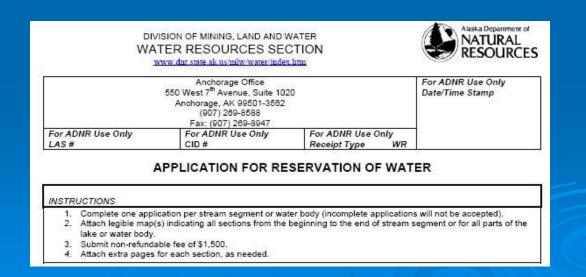
			XXXX	XXXX	X						
						XX	XXXX	XXXX			
						X	XXXX	XXXX			
XXXX	XXXX	XXXX	XXXX			X	XXXX	XXXX	XXXX	XXXX	XXXX





Application Submittal

- Application is submitted with supporting information to DNR for adjudication.
- Application receives a priority date when received by DNR.



ADNR Adjudication of Reservation of Water Applications

- DNR has a backlog of over 400 reservation applications. One adjudicator working on case load.
- Factors considered for deciding adjudication priorities:
 - Order of applications filed
 - Existing or potential water use conflicts
 - Importance of resource at risk
 - Availability and adequacy of data



Sec. 46.15.145. Reservation of water.

- (c) The commissioner shall issue a certificate reserving the water applied for under this section if the commissioner finds that
 - (1) the rights of prior appropriators will not be affected by the reservation;
 - (2) the applicant has demonstrated that a need exists for the reservation;
 - (3) there is unappropriated water in the stream or body of water sufficient for the reservation; and
 - (4) the proposed reservation is in the public interest.

Public Interest Criteria

In determining the public interest,

DNR considers:

- 1. Benefit to the applicant
- 2. Effects to existing/future economic activity
- Effect on fish & game resources/public recreational opportunities
- 4. Effect on public health (water quality)
- Effect of loss of alternate water uses that might be made within a reasonable time if not precluded or hindered by the proposed appropriation.
- 6. Harm to other persons
- 7. Intent/ability of the applicant to complete the appropriation.
- 8. Effect upon access to navigable or public waters.

AS 46.15.080 (b)

Public Notice

11 AAC 93.080

DNR must give Public Notice to:

- Newspaper/general circulation within the vicinity of the water source.
- Alaska Online Public Notice System/public place near the water source.
- Certified mail to prior appropriators of the same source.
- 4. Those formally requesting notice/land owners
- Public comment period begins the 1st day newspapers post/public posting/receipt of the notice via certified mail.

Within 15 days of publication/service of notice, any person may file written objections with DNR (AS 46.15.133 (a))



Final Steps



Finding of Facts & Conclusions of Law & Decision

- Certificate signed
 - Priority date: legally defensible
 - Applicant now holds the rights to the instream flows or lake level reserved under the certificate.

10-Year Review of Certificate of Reservation

11 AAC 93.147 (b)

(f) At least once each 10 years the commissioner shall review each reservation under this section to determine whether the purpose described in (a) of this section for which the certificate reserving water was issued and the findings described in (c) of this section still apply to the reservation. If the commissioner determines that the purpose, or part or all of the findings, no longer apply to the reservation

Public Benefits from Reservations of Water

- Provides legal process for protecting water uses that are dependent on instream flows and water levels that are in the best public interest.
- Provides clear description of flows/water levels needed for specified instream flow purpose(s).
- Provides cost savings to future developers from not having to perform instream flow studies if proposed use is compatible with development needs.
- Decision and rationale is formalized in a legal document which is retained over time (versus project specific decisions which may not be readily accessible or possibly even overlooked during project reviews).

Certificate Permit / Certificate None Establishes Right of Establishes Right of Allows Temporary Protection Use Use Permanent* Reviewable

400 Applications

14976 Certificates** 131 Certificates

* As long as beneficial use continues.

Reservation of Water

Water Unappropriated

Rate or Level Protected

Water Right

Water Available

Beneficial Use

496 Applications

TWUA

Water

Unappropriated

Beneficial Use

Revocable (at will) 751 Authorizations 339 Applications ** As of 10-31-15 These numbers can change daily.

For Further Information

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THANK YOU