

Alaska Drilling Activities

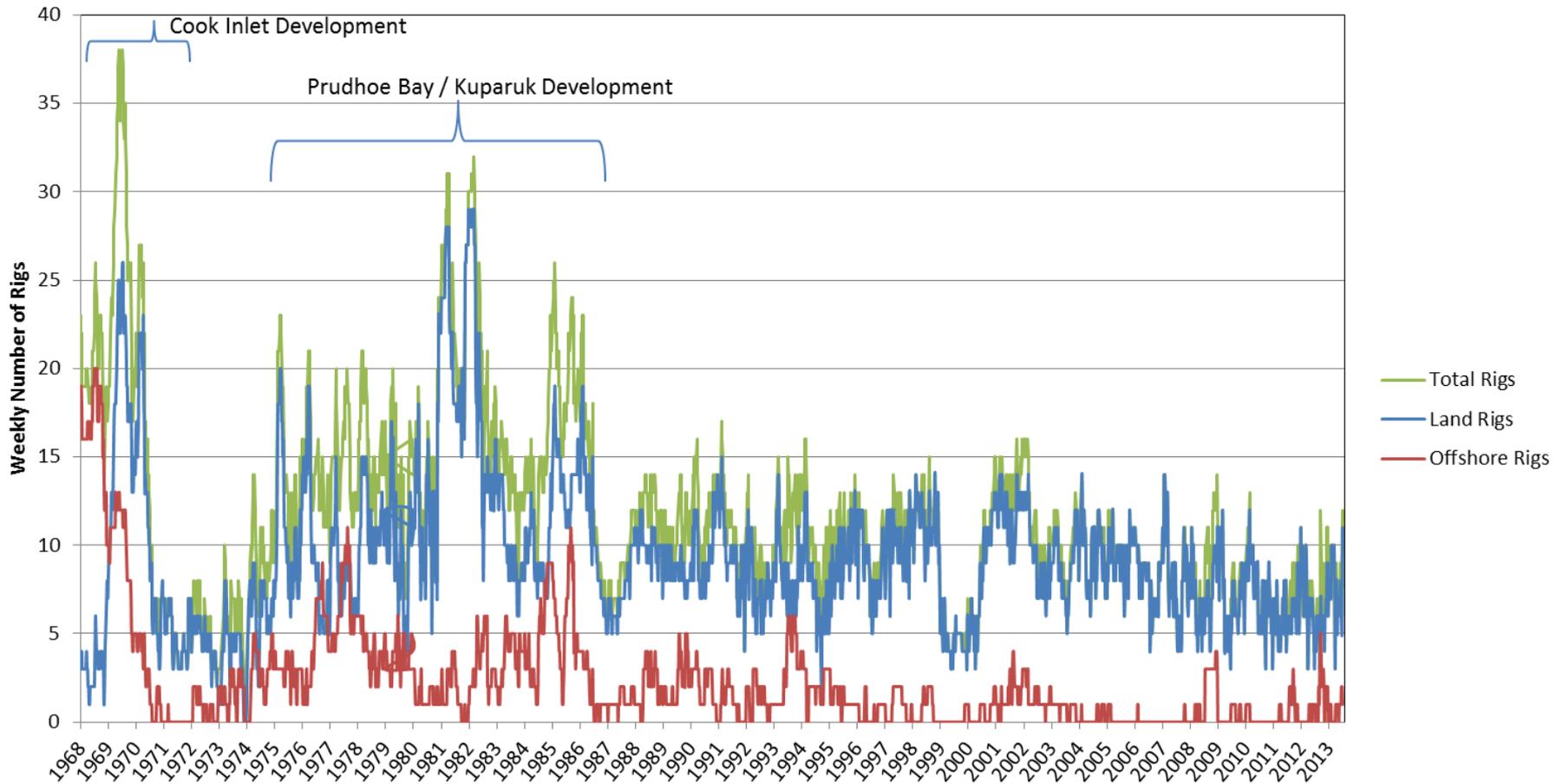
GPWG Meeting #4

August 22, 2013

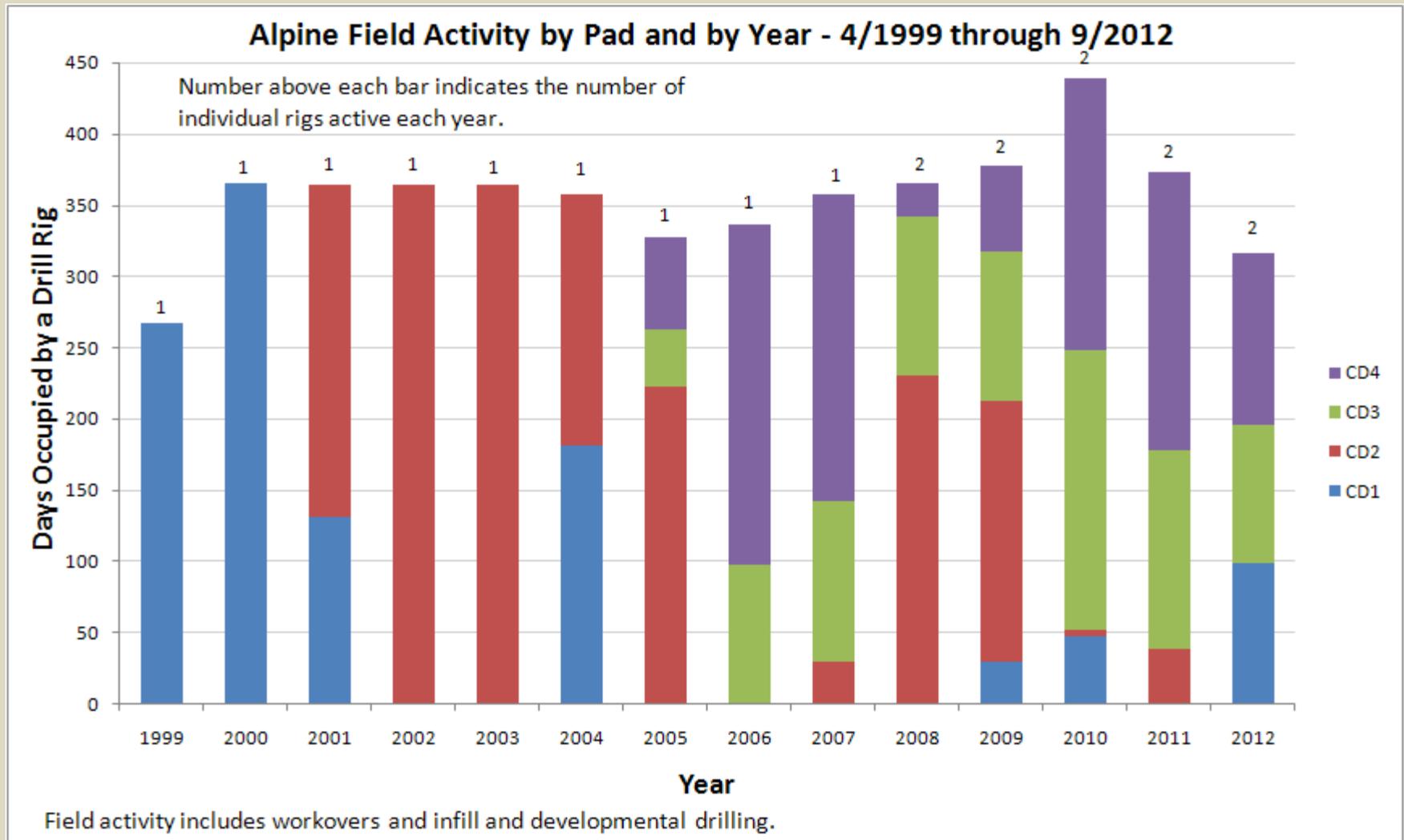
Alaska Drill Rig Activity

Source: <http://phx.corporate-ir.net/phoenix.zhtml?c=79687&p=irol-reportsoter>

Alaska Weekly Rig Count 1968-2013

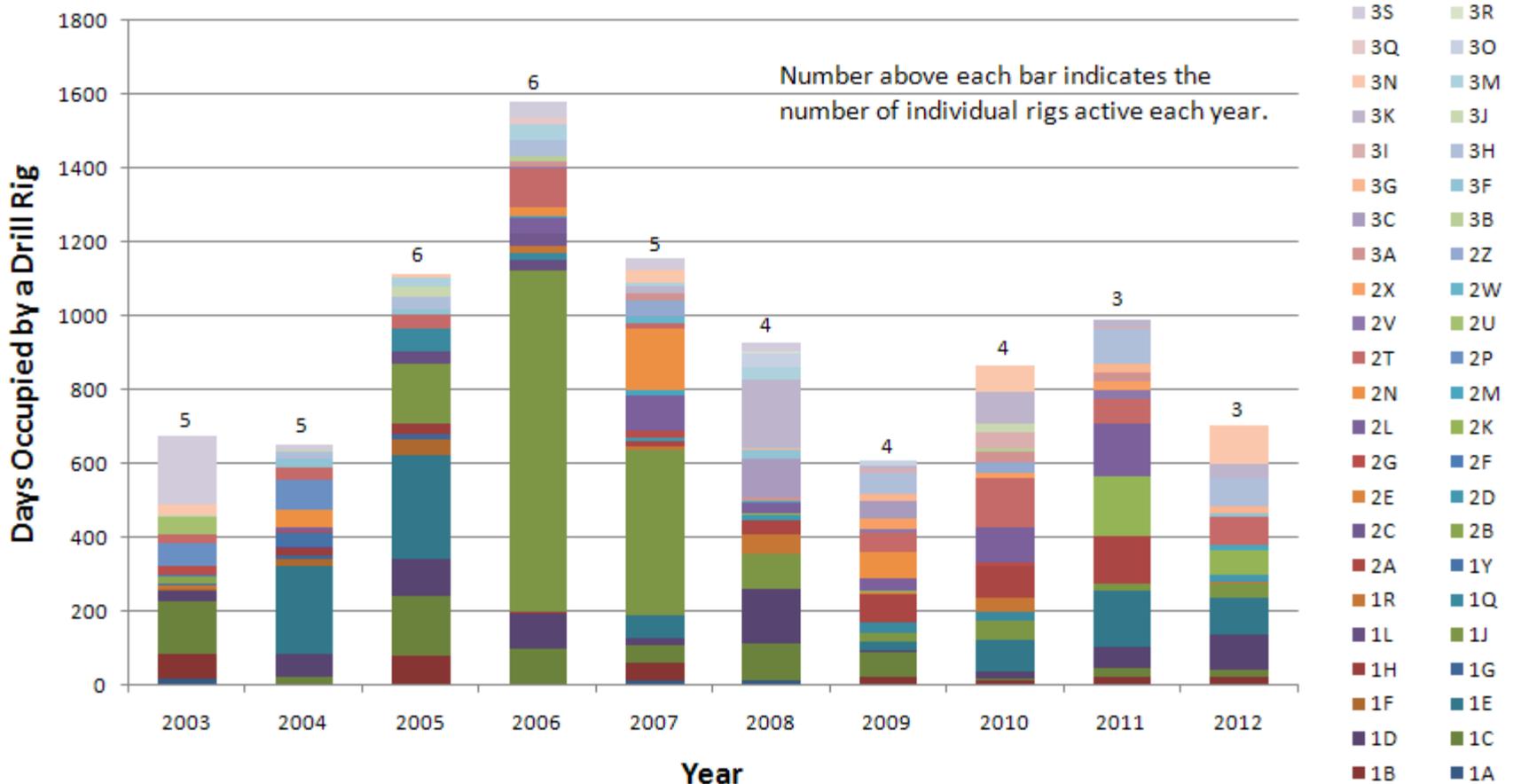


Alpine Activity by Pad Since Field Startup



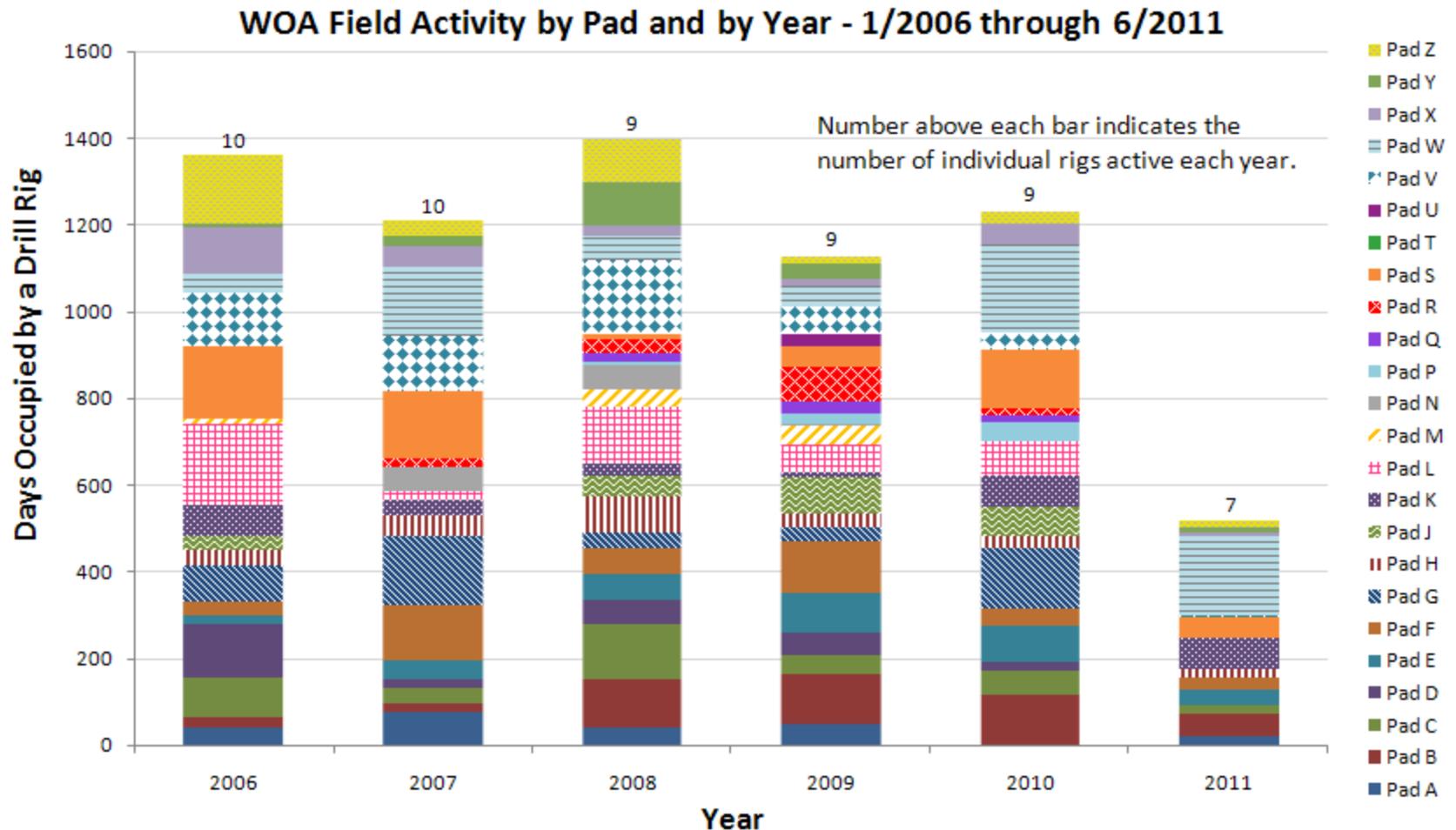
KRU Activity by Pad

KRU Field Activity by Pad and by Year - 1/2003 through 12/2012



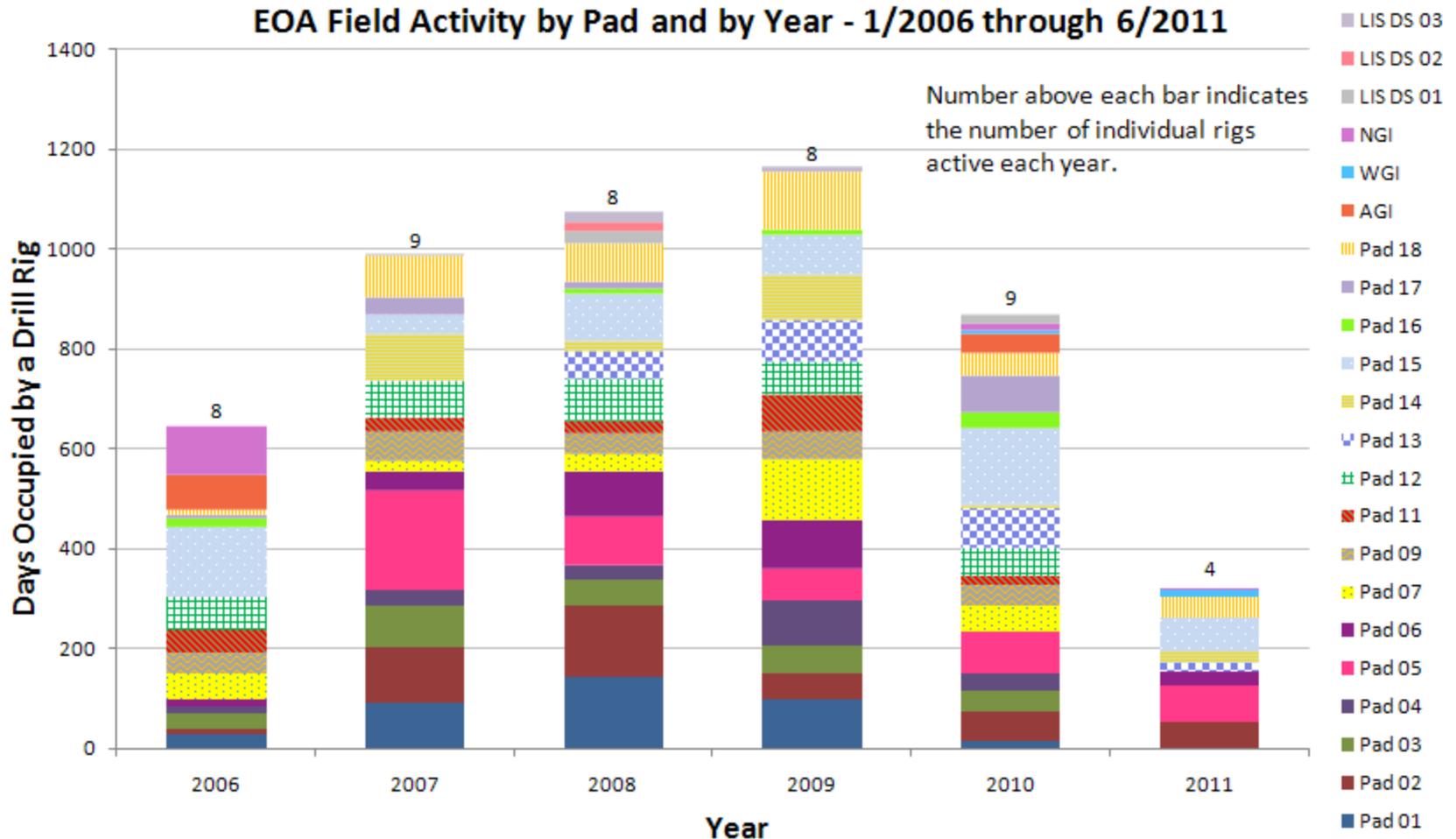
Field activity includes workovers and infill and developmental drilling.

Prudhoe Bay (WAO) Activity by Pad



Field activity includes workovers and infill and developmental drilling.

Prudhoe Bay (EOA) Activity by Pad



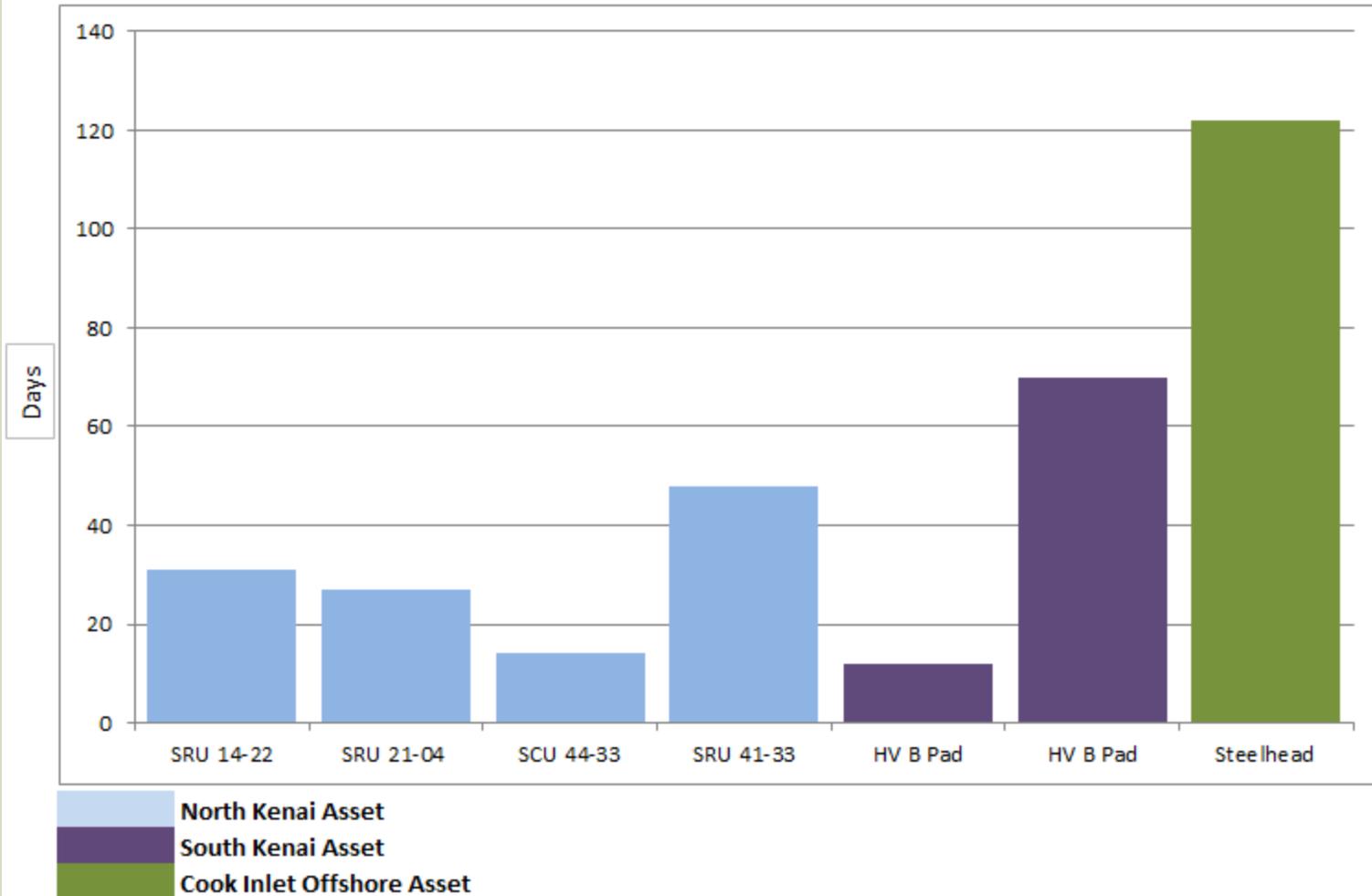
Field activity includes workovers and infill and developmental drilling.

Alpine, KRU, WOA and EOA Drilling Activity by Pad Summary

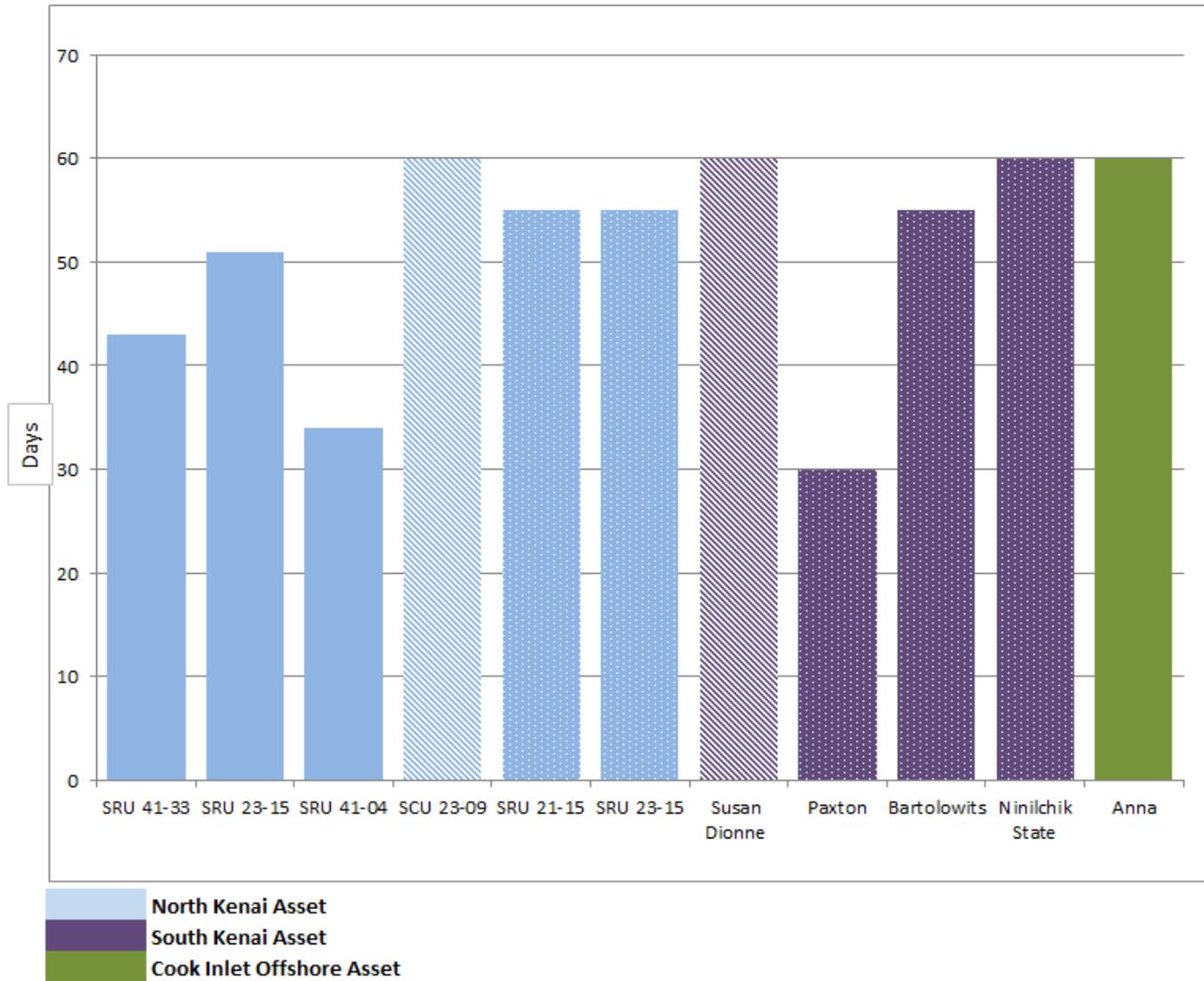
| Field Description | Days of Drilling Activity | | |
|---------------------|---------------------------|---------|--------------------|
| | Average | Maximum | Standard Deviation |
| Alpine All | 135 | 882 (a) | 176 |
| KRU ALL | 29 | 370 | 40 |
| KRU w/o Pad 1J & 1E | 24 | 154 | 24 |
| WOA All | 23 | 181 | 25 |
| EOA All | 22 | 113 | 18 |

(a) At Alpine, only 1 event lasted longer than 2 years, 1 was between 1 and 2 years and the rest less than 1 year.

Hilcorp Cook Inlet Activity by Pad 2012

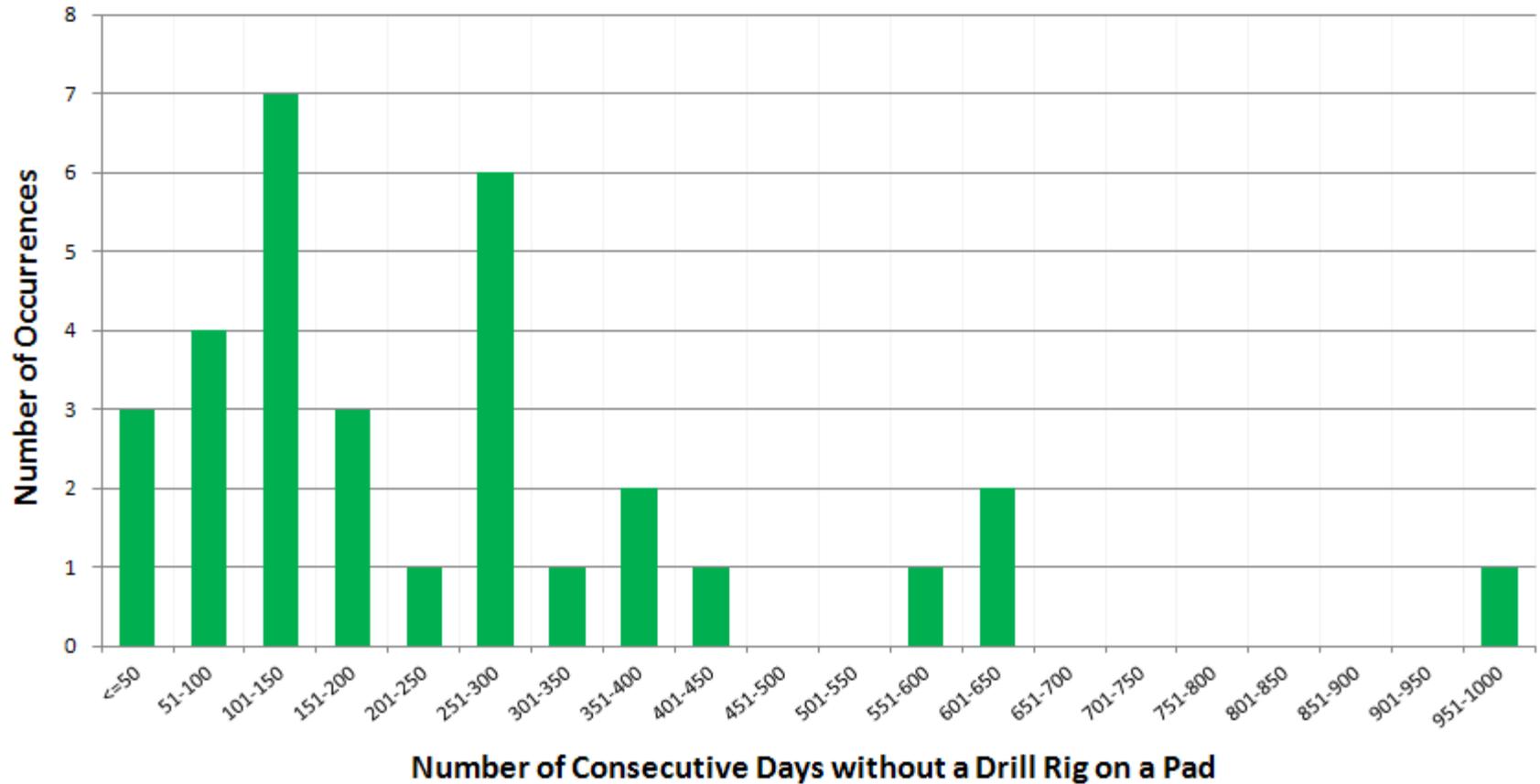


Hilcorp Cook Inlet Activity by Pad 2013



Characterizing Alpine Inactivity

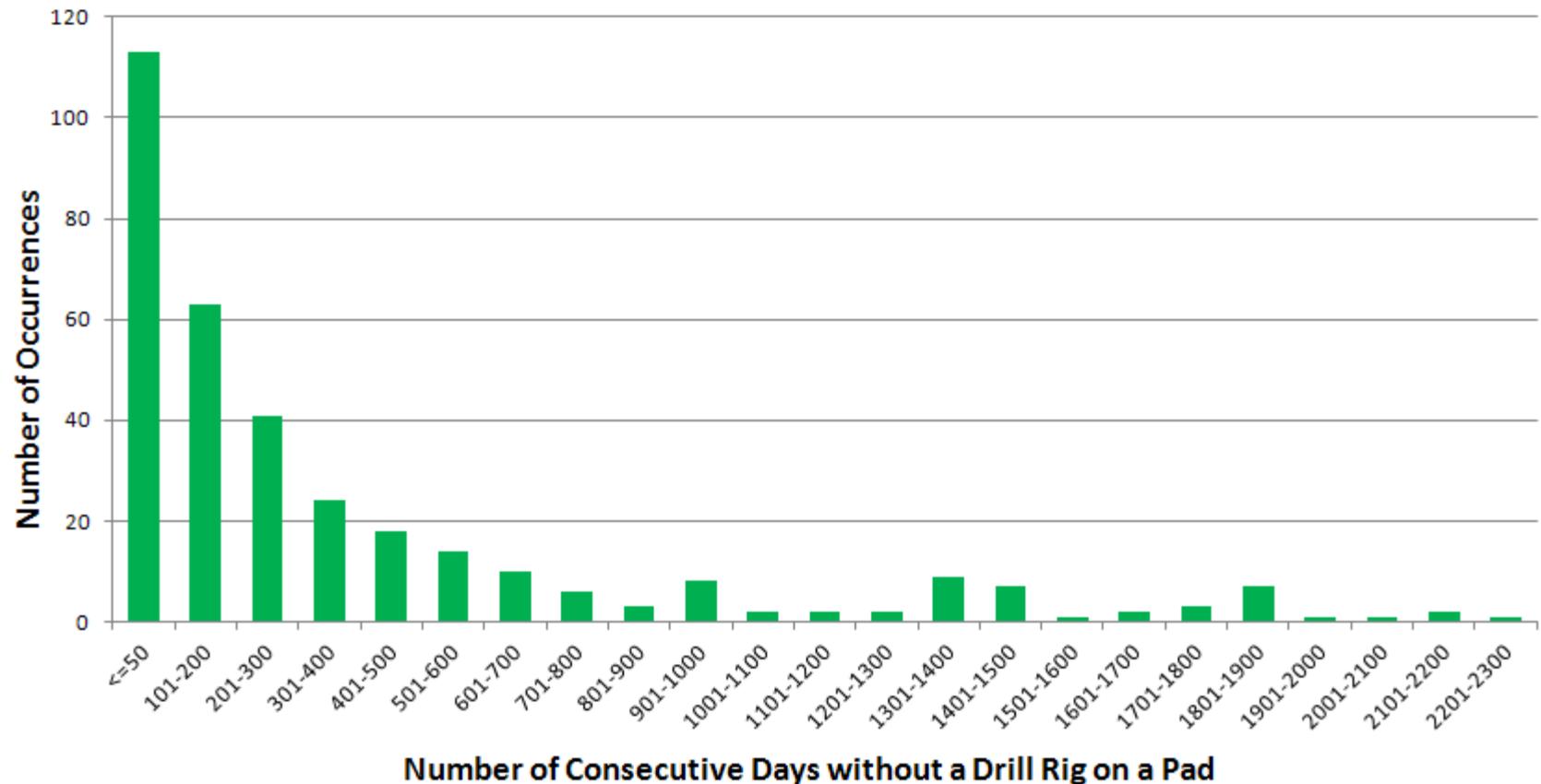
Typical Duration a Pad is Vacant at Alpine - 4/1999 through 9/2012



- Individual occurrences with a duration less than two days were not included in graph.
- Periods between workovers and infill and developmental drilling are all treated the same.

Characterizing KRU Inactivity

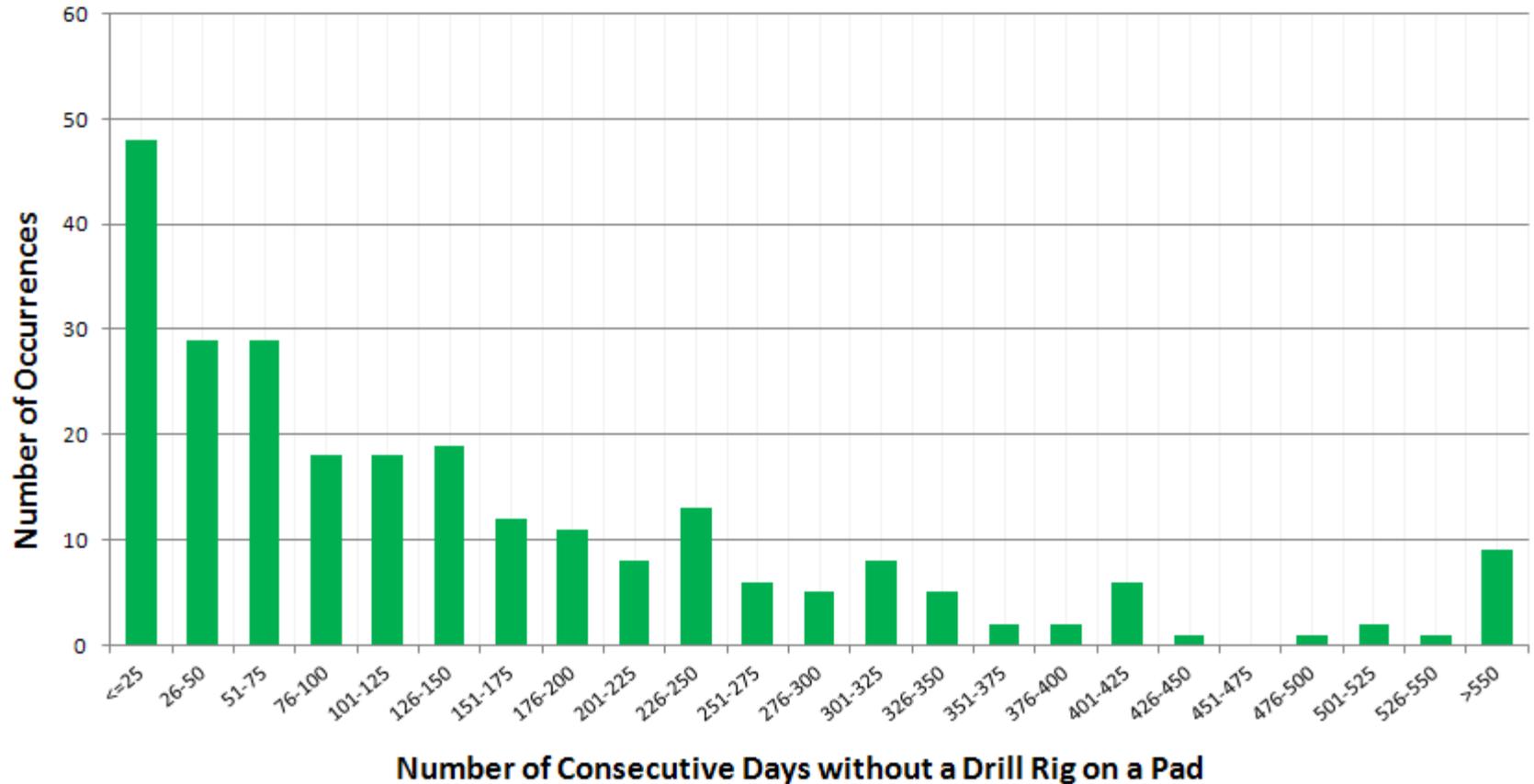
Typical Duration a Pad is Vacant in the KRU - 1/2003 through 12/2012



- Individual occurrences with a duration less than two days were not included in graph.
- Periods between workovers and infill and developmental drilling are all treated the same.

Characterizing WOA Inactivity

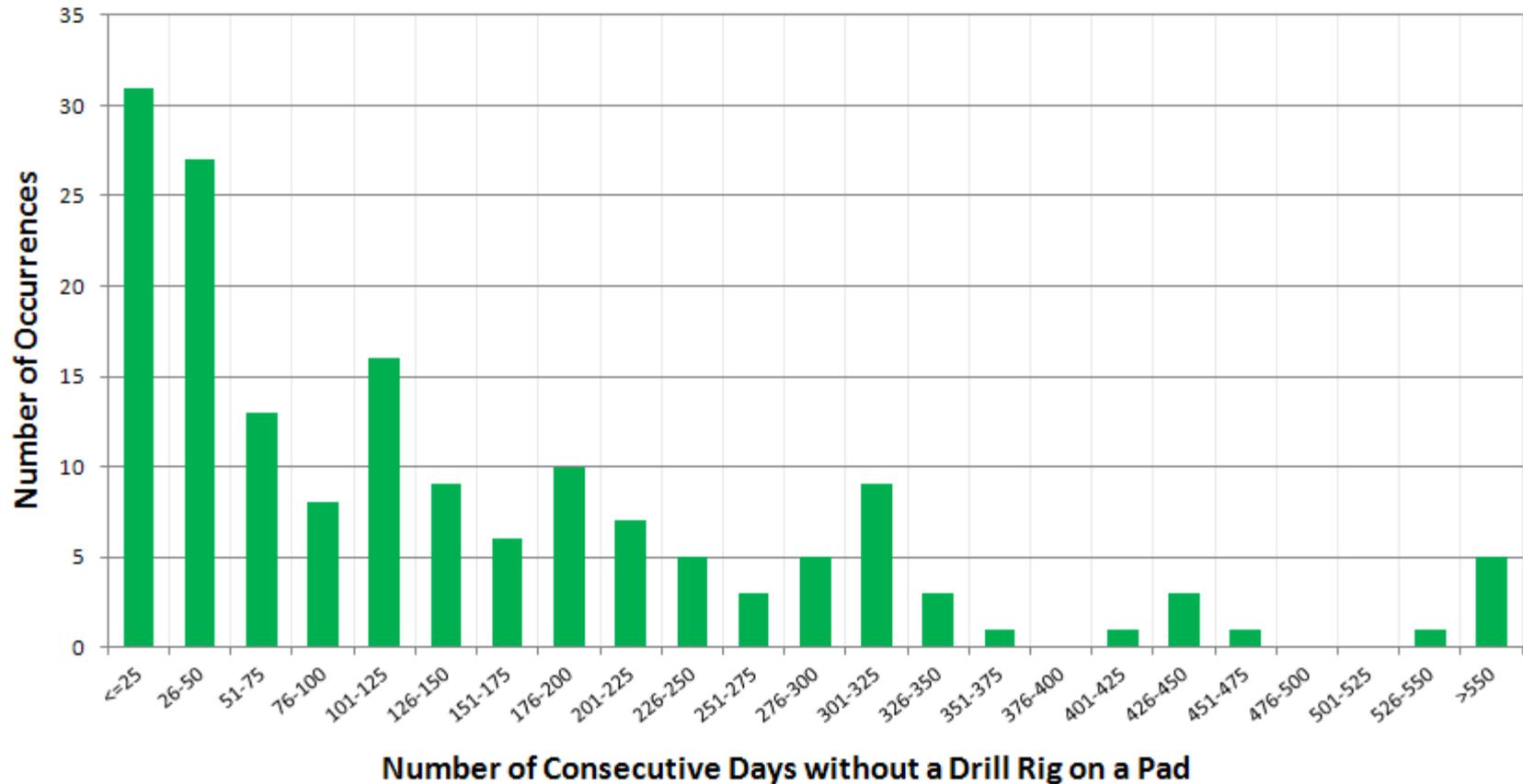
Typical Duration a Pad is Vacant in the WOA - 1/2006 through 6/2011



- Individual occurrences with a duration less than two days were not included in graph.
- Periods between workovers and infill and developmental drilling are all treated the same.

Characterizing EOA Inactivity

Typical Duration a Pad is Vacant in the EOA - 1/2006 through 6/2011



- Individual occurrences with a duration less than two days were not included in graph.
- Periods between workovers and infill and developmental drilling are all treated the same.

Summary

- Alaska drilling rig activity and density are low
- Only in developmental drilling, and not often at that, are rigs on pads for more than two years
- More typically, pads are occupied by rigs for less than 6 months per year
- Pad visitation typically occurs more frequently than every 6 months
- After a rig departs from a pad, any return visit to the pad is typically of very short duration