

# Columbia River North Jetty Oregon

### Coastal jetties rock! But they're stone-cold dangerous.

Cats really will lie anywhere, won't they? Sheesh. Well, at least Giant Cat has nine lives to gamble with. You, on the other hand, just have the one. Yes, very sad.

Anyway. That's why \*you\* should stay off coastal jetties—especially when the sea is high or when conditions are rough.

The Corps built dozens of these stone structures along the coasts of Oregon and

southwestern Washington, beginning in the late 1800s, to aid ships traveling between the river and the fierce Pacific Ocean. They calm wave action through river inlets so that vessels can safely navigate inland from the ocean.

They also make great places to physically become one with the ocean if you catch our drift. (We mean they're dangerous.)

SUN	MON	TUE	WED	THU	FRI	SAT
31	1	2	3	4	5	6
Birth of Corps Park Ranger Program	New Year's Day					
7	8	9	10	11	12	13

14	15	16	17	18	19	20
	Martin Luther King, Jr. Day					
21	22	23	24	25	26	27
28	29	30	31	1 Black History Month begins	2	3









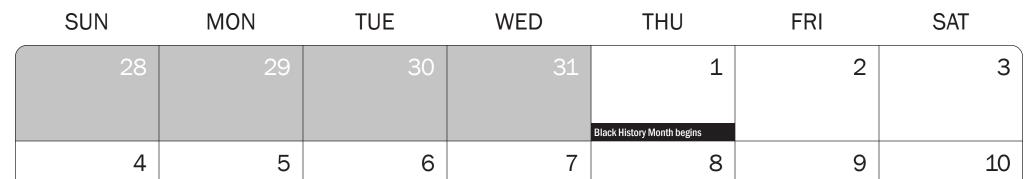
#### Refill season for giant sinks ... er, storage reservoirs

Think we found out where all the huge felines like to hang out. Apparently, Lookout Point Dam is the cat's meow. Guess they get pretty excited for the start of refill season. It ain't a giant sink, cats! Love the enthusiasm, though.

The creatively named "refill season" is when we hold back water to refill the reservoirs behind our flood storage dams

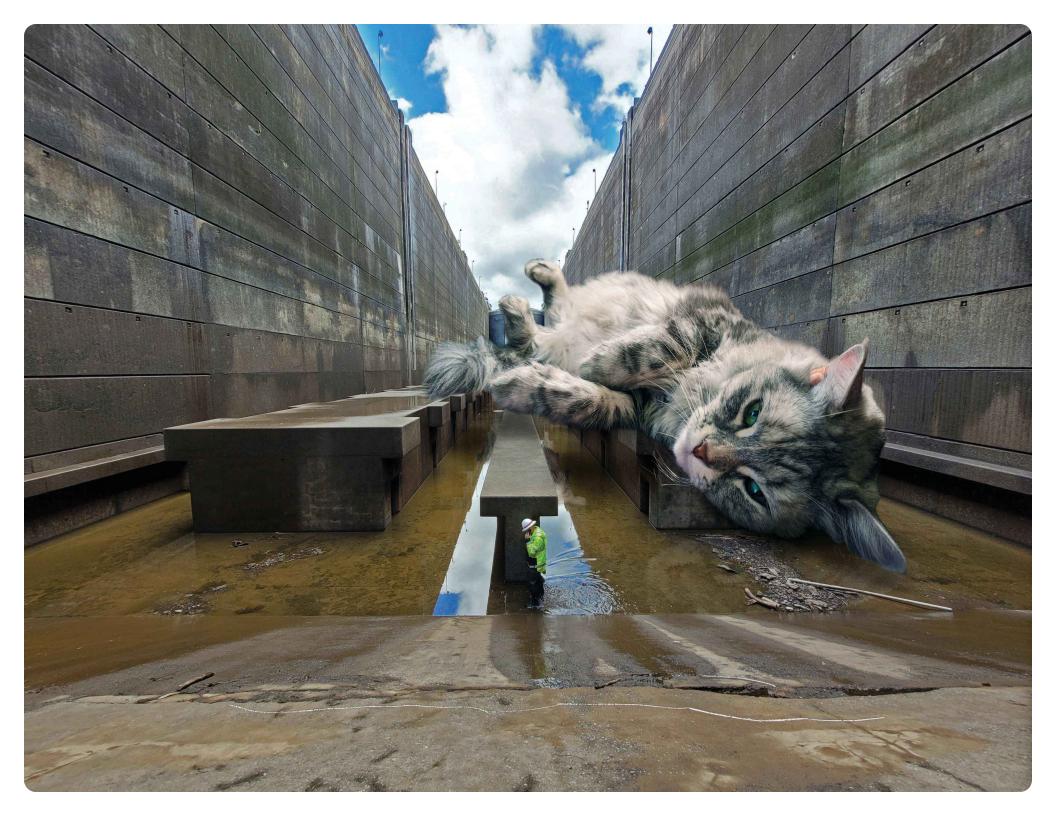
in Oregon's Willamette and Rogue valleys.

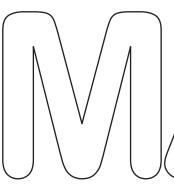
We keep the reservoir levels low from Nov. 1 to Feb. 1 so there's room to capture water from major rain events if needed, reducing the risk of flooding for communities downstream. Then, as that flood risk decreases, we fill 'em back up. (The cats think it's so they can have a drink.)



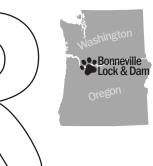
11	12	13	14	15	16	17
			Valentine's Day			
18	19	20	21	22	23	24
National Engineers Week begins	Presidents' Day					
25	26	27	28	29	1	2
					Women's History Month begins	











### Maintaining navigation locks on the Columbia River

In case you needed photographic evidence that this world belongs to cats and we're all just living in it ... well, this is it. You're looking at a navigation lock. (The giant concrete basin thingy, not the lounging furry thingy.)

It usually has water in it, which keeps the colossal cats away (and allows vessels to pass through). But each March, we empty these basins for maintenance. A navigation lock holds a pool of water that can be quickly drained or filled to raise or lower ships between differing levels of a river. A water elevator, basically.

Here, Corps locks make possible the safe and reliable transit of more than \$20 billion in commerce along the Columbia-Snake River System annually.

SUN	MON	TUE	WED	THU	FRI	SAT	
25	26	27	28	29	1	2	
					Women's History Month begins		
3	4	5	6	7	8	9	

10	11	12	13	14	15	16
Daylight Saving Time begins						
17	18	19	20	21	22	23
St. Patrick's Day						
24	25	26	27	28	29	30
31	1	2	3	4	5	6
Easter						













## It's dredging season, and I'm going on an adventure!

"I'M THE KING OF THE WORLD!!!!" - This Cat. All right, Leonardo DiCatrio, settle down. You're rocking the boat, and we don't mean that figuratively. We have a navigation channel to maintain here. (Also, we'd love for our lunch to stay in our stomachs.)

This hopper dredge, which we've been known to affectionately call Big Sucky Boat, operates like a giant vacuum to remove sediment from the inlets, rivers, and harbors of the Pacific Northwest (and beyond) to maintain safe and reliable ship navigation.

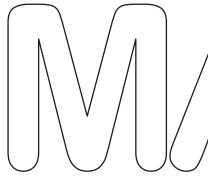
Our two dredges, the **Essayons** (pictured) and the **Yaquina** (not pictured), typically start the dredging season in early April and rest for their annual maintenance, repairs, and upgrades in early December.

SUN	MON	TUE	WED	THU	FRI	SAT	
31	1	2	3	4	5	6	
Easter							
7	8	9	10	11	12	13	

				National Pet Day		
14	15	16	17	18	19	20
			Portland District Corps Birthday			
21	22	23	24	25	26	27
	Earth Day					
28	29	30	1	2	3	4
			Asian American & Pacific Islander Heritage Month begins			











### The start of the jetty construction season

Hmm. That's definitely not the type of cat we asked for. I'm like, 73% sure of it. Why is it looking at us like that??? OK no one move! Let's just ... take a moment to talk (er ... whisper) about jetty rehab season and STAND. VERY. STILL.

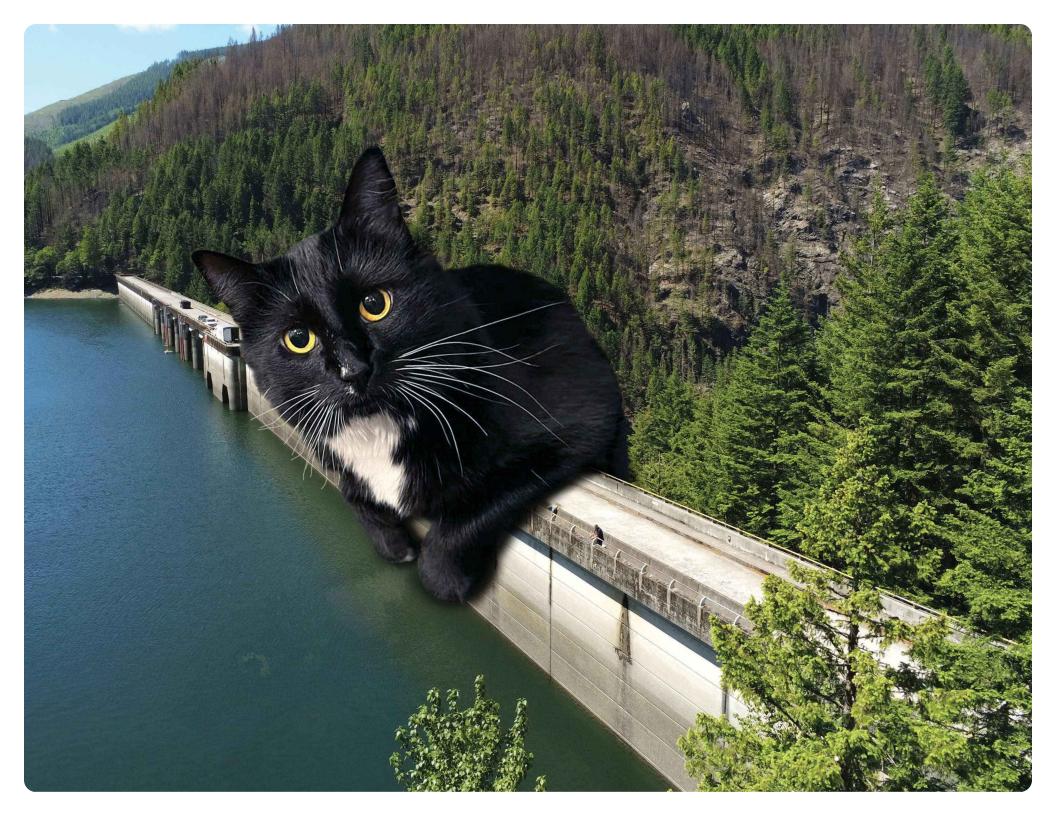
Even though coastal jetties are built to calm intense wave action so ships can travel safely between the ocean and rivers, these structures still take a beating from the sea. So, every now and again, we beef them back up. We call it rehabilitation.

That work usually starts up in May, when coastal weather conditions improve, and continues until around the middle of fall. Usually goes pretty smoothly, too, unless a ... giant cat shows up. So what do we do now?



Cinco de Mayo						
12	13	14	15	16	17	18
Mother's Day	20	21	International Water Safety Day	23	24	25
26	27 Memorial Day	28	29	30	31	LGBTQ+ Pride Month begins







### **Conservation season means full reservoirs**

Not sure how the dam safety program manager is going to feel about an enormous cat leaning over the crest of the 450-foot-tall **Detroit Dam**.

We get it, though. Cat is just mad pumped to see a full sink. Er ... I mean, reservoir. I meant reservoir!

Conservation season is exciting. But what is it? Great question! This is the time,

from about mid-May to early September, when we keep the reservoirs behind our storage dams full.

The water is conserved throughout the late spring and summer so that it can be used as needed for hydropower generation, recreation, irrigation, municipal and industrial water supply, fish and wildlife enhancement, and water quality improvement.

SUN	MON	TUE	WED	THU	FRI	SAT
26	27	28	29	30	31	1
	Memorial Day					LGBTQ+ Pride Month begins
2	3	4	5	6	7	8

9	10	11	12	13	14	15
					Flag Day Army Birthday	
16	17	18	19	20	21	22
Father's Day Army Corps of Engineers Birthday			Juneteenth			
23	24	25	26	27	28	29
Women in Engineering Day						
30	1	2	3	4	5	6
				Independence Day		



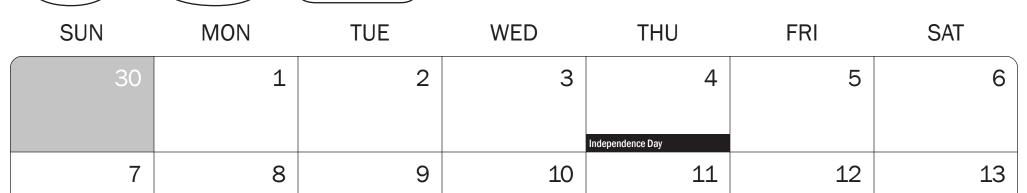




\*nature documentary narrator voice \* Here we observe the giant snoozing Felis catus on its pink floaty, enjoying its natural summer habitat as it sunbathes on the calm waters of **Lost Creek Lake** in southern Oregon.

It'll stay there, just floating around the lake without a care in the world, for most of the summer, until it resumes its usual activities of knocking things off surfaces and lounging in absurd places.

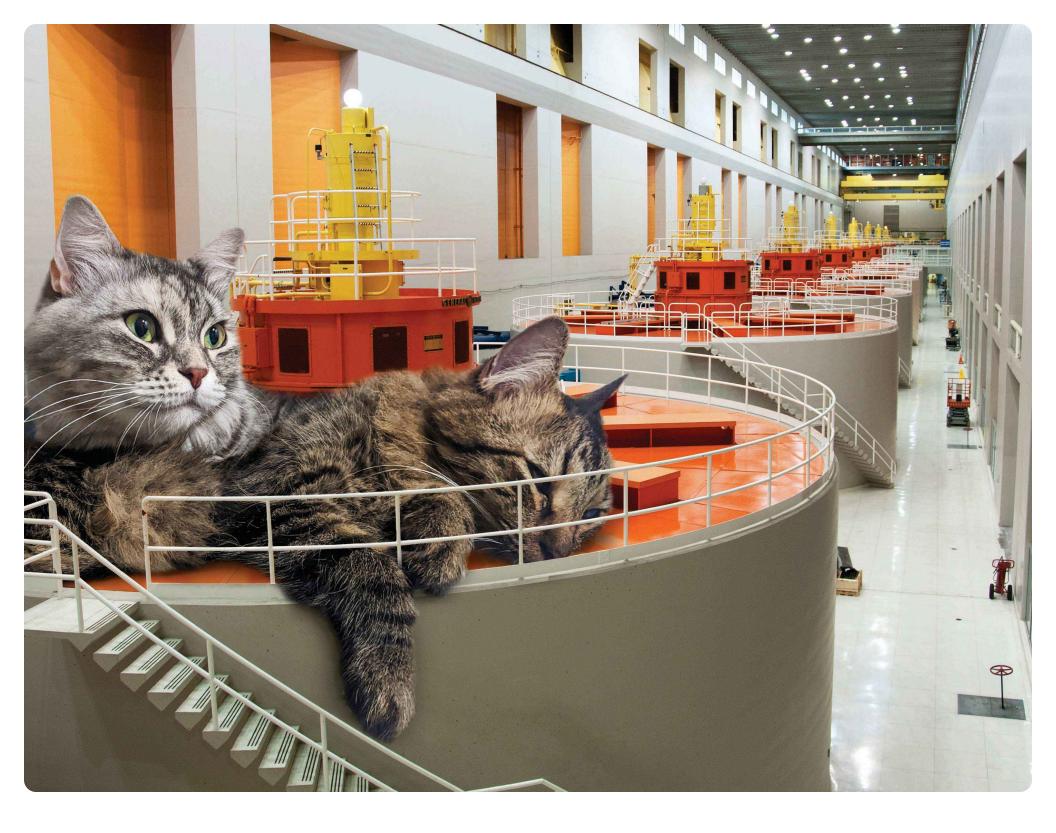
\*back to normal voice\* Our visitor centers, parks, campgrounds, and reservoirs across Oregon and Washington offer recreation opportunities to 4.5 million human visitors every year (and some unconfirmed number of gargantuan cat visitors).



Lost Creek

				National Kitten Day			
	14	15	16	17	18	19	20
_	21	22	23	24	25	26	27
	28	29	30	31 World Ranger Day	1	2	3



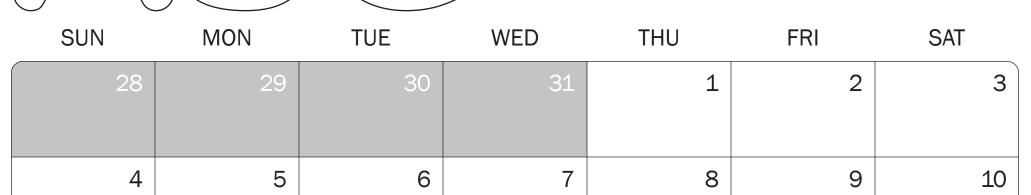


#### Hydropower provides grid stability and ... warm cat beds?

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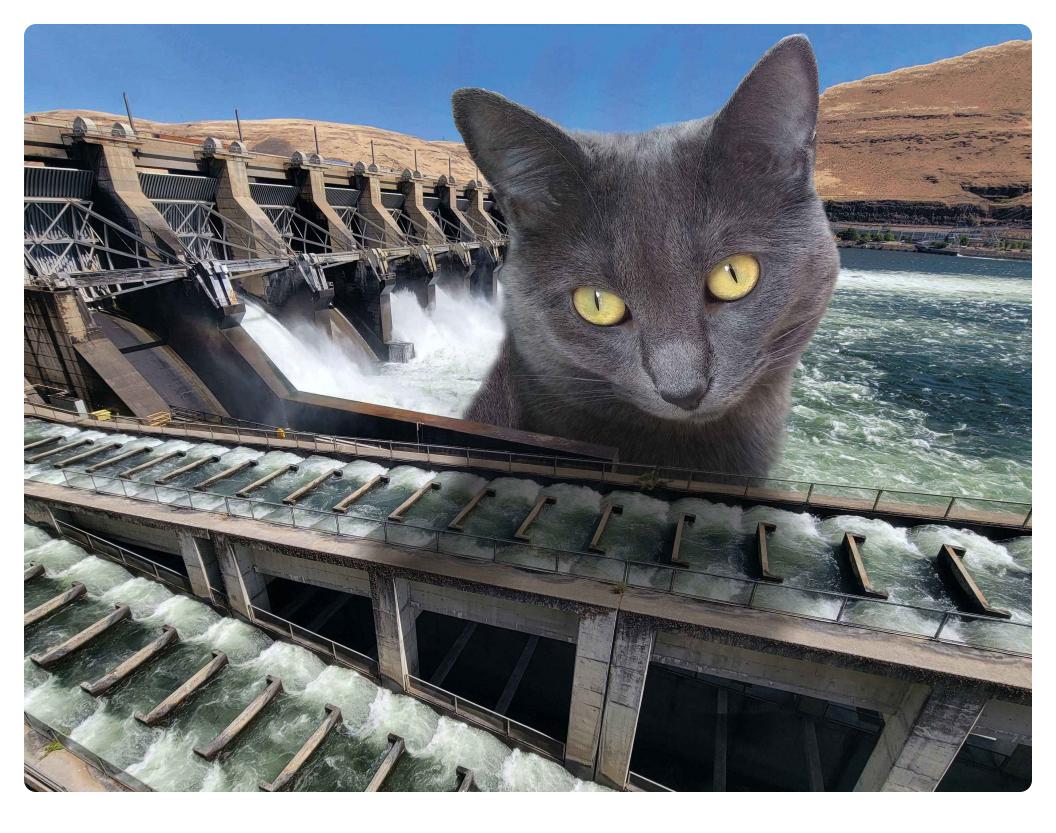
August is the hottest month of the year here in the Pacific Northwest, so it's one of the most important times for hydropower. That's because hydropower production can ramp up or down in minutes to help stabilize the electrical grid during times of increased energy demand (e.g., when people are cranking their air conditioners).

Dams in the Columbia River Basin provide nearly 60% of the Northwest's electricity and almost 90% of its renewable energy.



11	12	13	14	15	16	17
						National Black Cat Day
18	19	20	21	22	23	24
						National Hudennauron Day
25	26	27	28	29	30	National Hydropower Day
	Woman's Equality Day					











# Fall fish returns and pondering the meaning of life

This cat looks ... bored? Bit depressed? Spaced out on cat nip? No! Contemplative. That's it! And it makes perfect sense. It's September. Fall is fast approaching.

The chinook salmon are just making their way up the Columbia River to spawn ... and then of course die. "Am I viewing the fish right now or are they viewing me?! What IS the meaning of life???" Fall will do that to you. And so will the completion of the salmon life cycle when you think too much about it.

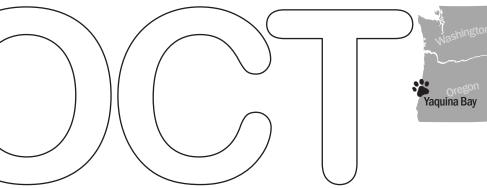
Each year, in the late summer and early fall, hundreds of thousands of salmon pass through our fish ladders on the way to the tributaries where they were born. And all without the help of GPS.

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
	Labor Day					
8	9	10	11	12	13	14

15	16	17	18	19	20	21
Hispanic Heritage Month begins						
22	23	24	25	26	27	28
						National Public Lands Day
29	30	1	2	3	4	5







#### Survey says: This small boat has a very big mission

Do king-size cats get king-size candy bars for Halloween? Because the king-size costumes this duo is wearing are pretty rad. But maybe let's not use the boat for trick-or-treating, eh? This vessel has survey work to do. And I don't mean the "asking people questions" type of survey work.

It's one of six hydrographic survey vessels we operate to help maintain the

vital navigation channels of the Pacific Northwest—which is our oldest mission, dating back to 1871.

These boats collect hydrographic data from rivers, inlets and harbors to determine where maintenance dredging is needed along 244 navigable river miles and 22 ports from Nehalem to Chetco on the Oregon coast.

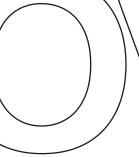


13	14	15	16	17	18	19
	Indigenous Peoples' Day					
20	21	22	23	24	25	26
27	28	29	30	31	1	2
		National Cat Day		Halloween	American Indian Heritage Month begins	











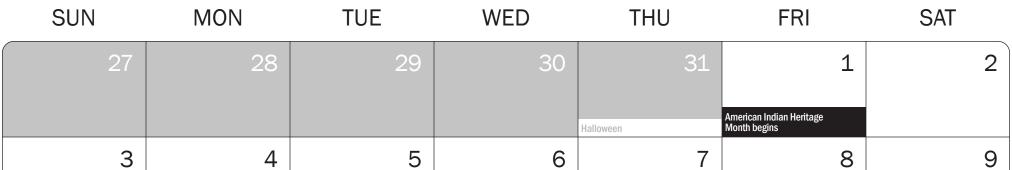
# The season for reducing flood risk (flood season)

"A nap right next to the reservoir? Don't mind if I do!" Heck, why not? The reservoir is pretty low. Plenty of space for ... napping. (At least, for now.)

The water in our storage reservoirs across Oregon's Willamette and Rogue river basins is always kept low at this time of year. That's because Nov. 1 marks the beginning of our three-month "flood

season"-the cleverly named time of year when we reserve as much space as possible behind our dams for storing water, if needed, to reduce the risk of flooding to communities downstream.

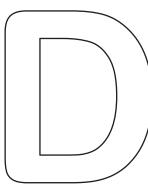
Our flood storage dams save the state of Oregon and taxpayers an estimated \$2billion in averted flood damages every year. Dream about that, giant cat.



Daylight Saving Time ends		Election Day			National STEM/STEAM Day	
10	11	12	13	14	15	16
	Veterans Day					
17	18	19	20	21	22	23
24	25	26	27	28	29	30
				Thanksgiving Day		











#### Spa Season (annual maintenance) for hopper dredges

Every year, around early December, our two hopper dredges, the **Essayons** (pictured) and the **Yaquina** (not pictured), come out of the water for four months of repairs, maintenance, and upgrades—and so that massive cats can come around and check them out. ("Oh nice, is that a controllable pitch propeller?") We call it drydock season. Glad you like our dredge, big cat. But don't you go fallin' in love with it now. Because we're taking it with us when we leave next month. And be careful where you lean, please.

These dredges help maintain the entrance bars, rivers, and harbors on the West Coast, Hawaii, and Alaska, and honestly we're just trying to fit as many facts into this caption as we possibly can to tell you

SUN TUE MON WED THU FRI SAT 2 1 3 4 5 6 7 8 9 10 11 12 13 14

15	16	17	18	19	20	21
22	23	24	25	26	27	28
			Christmas Day			
29	30	31	1	2	3	4
		Birth of Corps Park Ranger Program	New Year's Day			



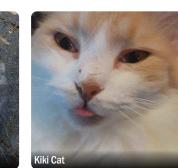


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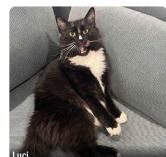






























































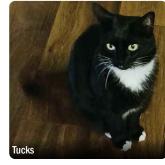


















The cats of the U.S. Army Corps of Engineers, Portland District. This calendar is not an official U.S. Army Corps of Engineers product.

