Incident Command Communications

February 8 to February 13, 2017

12-2017	
	Richard Tovar
1840.	Governor Call in B. Croyle:
	Attendoes G. House:
	J. McGough:
	8(alo 745 6240 Keeley?
	Mancy?
	1847 Standley.
	Bill C-~ 25 hrs ago. Sprilling over Aux Sprill
	since yesterday. Made progress yesterday
	55000 gates spilling runing continuous!
	Curring down from peak:
	Drenes photos
	channel of ension. Special attention to
	assess. Erosion rate uncerned a number
	of people.
	Had great tahmical people on struct

B. went to sike to visually see went back to ICC. P Shoress was there. Then was discussion before I got back. the number the engineers stoked we needed to release was not a number we would do 1 60 100,000 cfs. live feed - would see rate of evosion Based on rate of ensur striff recieved. Shariff decided to evacuate low lying oneas diwingtreass. At moment discharge is LOD, ODD cfs. Phood central - is ISD-160K ess. concern is if erosion up to wier caused the spulling to fail, the amount if water would be greated of exceed level system Looking @ geology Shoriff continued to initiate evac orders. ICS expanded. Shorld implemented Carls west out Based on max flod event. ICS could be compromised (we do not bettere of at this time to be safe - ne relocused. city and EMAS intrating evac orders Dup IS Aux spring in danger. Lestine we saw it, Should stop How within the hour

2-11

energy causing exposion should be dissipated unds lowered with ay more spill

Still need inspection of Aux. Spill

Still need inspection of Aux. Spill DSDD + PERC reps. we will work through.

a: 15 risk gone?

present condition: ension in dunstream Side of energy Spillway Stow Should youp of in hr.

Dront have eyes.

Until we see it, assume it is a threat

Lake 901 + ft cant get more full.

cant confirm. Dark.

proshing a lot mere water durn spilling furthe degrade spilling - try not to

we have additional weather coming is.

Higher froms

Need Gated spilling for the rest of the

wormally would have at mat. we have no buffer.

Need to maintain integral of gated spill and reinforce Aux. Spill

At this time - we may have exough reserve for this next storm. Burning forecast 4x/day. Each time its higher or lower. we have no available Stood storage. Brossion has captiled sediment dam in diversion pool. Issues for running plant - componised due to flooding, or tower feeding grid Been able to pump significant amounts of water south Need plant running - challeged to min water for to Q: Evacuations. - Everyone is responding to evac. Notice. Ca: Fell weapone to some back Mark: Sheriff Brued Evac will remain in place. with Durk can assess situation worth happen until tomorrow morning 1,000 s los of shousands are evacuating Hospitals ect. D How much time did they have to pack bags? Sherriff- make sure we had at least 2 hrs. Had 2 hrs. Hed Needed to leave ASAP Q: Tonight, has danger subsisted?

Q: Still not indestraiding. Further explain there is still more that needs to be assessed. inspections needed. Need to consult with regulatory departments. more immediate question. 12 - News was saying - could have a major dood. - hisk of major shood is far less than two his ago. - Still nsk. mant - Not ready to pull plug on evac order. - Need inspections - unsure of current state. 1912 - Ready to take off in 10 min mandeson Chapper, s D. Walker maybe to observe. - aing recommend we are using emerginary anx spill. Not an issue us onville Dun currently. Large issue with Aux. Spill. Evacs were socused to areas near Flesher Riv. Q: this will be a real problem - there is condusion mattpeople are moving to higher grand-prescribed. Need to find out. weed a count on how many issued eval. orders. Based on a failure of emergency spollway whole dan?

PERL ontan 1918 Gasan + Don walker to go on Brothe wany Short Q: Woney. Scope of geographic area of evac order Need danhed Shoriff is making a decision on how many. shortly we will have eyes on issue. Q: preed gomeone from Durk at SOC B. Sent C. Jones 1920 Shortst Still @ press conf. cart come have. Lawyers worthing on State of Emerg? Lots of Media Torrector: Try to find out it camera on dum operates in dark (cathans) to get eyes on it. DSDD has great resturces part if education process - assess threat and next steps. G. Bardini 10 SOC can cover multiple programs. 13,000+ N: They are gotting unclear stories people evacuated they will update numbers. Red Coss is on Scene. National Guard contacted. ICC in ordille-relocations - working on healthcare facilities - evacuation Status

very complex. Let local law enforcement handle media for now? Transfuring prisoners 1928 - Sherst has arrived. He's taking questions Lux bean her. - thank you for support - Once decided to pill tragger. Stated w/ media critle of south to head north Reverse 911 Louising on area around other 1st and most affected. Howe staff going dor to door injurees. Search + Rescue brought in gold that there is a lot of compacted trashic. working al CHP to mangate Been, Advised statter country has been advised. Evaic C Chico fairgnends (7: Your many utilizing? It is filling up-don't have exact. cart make it happen fast enough Great Support from Assemblemen, DPR, WP. Fet etc. Yes there is confusion - chaos. Better than what it could be. that's the nature

Media seems Satisfied of briefing at this time. - Seem to be thankful we pulled "big red hardle" Trying to hit all media outlets. It In usly, shitty was and we are trying to make the best of it QN- 15 there anything more we could be doing? Sheriff I will put in call we out be over resourced to help with Plo. Q= DIC set up to coordinate. Will continue with evac order until it can be expected. Keep it going will you get clear from DUR. Sher Recognize that I has displaced a lot of people. But we need to keep them out for now, - The message we prot out - Complex & striction - ungrecedented, no models for it Rapidy developing Evacs in interest of public safty. - Bor on side of contion - Brosis up to face of Aux spill is not as rapid as we were feeling Flows 100,000 -Try to Stabilize Situation - we want to avoid a popostfully capastrophic eart. N: Beclear As not the dam - As the Sprilling QM: Franced? Spillway. Not dam.

It was important subject matter expects can explain Q: Talked to other shories Yes Derser No other-name? Eval notice Have resurces exaltin firming in a necessary Everything Stay in place until silven All Wer courd. Ic a consistent message 3044 there you Shint Lune -> Back to Director Redudent center at POC N. Diednit Know about Evac order until Water it hit the press. Tantace 249.16 ex: 1933 to going down - recede END CALL pock is coming + helicopters. Toir: we have been working hard to protect plant. Its important for us. (DWR) Prisk to public more imporant. thoney: Has water over any spill stopped? B: Last update was 2" less than I hr. should be of not be spalling Honey: 100,000 che Abod curriol Sprilling

*	
Koney	: offering helicipters
Cruy	Let up community town hall meeting?
	Late at what happened toright.
	Even if we getstable, what to expect for rest of season.
_	can't do rock tonight a chappers not in until termorrow marring.
1952	Can we venty we have a Stuging area?
	Productioning from Bangor
	Bags from Sutter Butte Ones from Sac are MIX
7	PGIE wants on ICT call @2000
1954-	Need to focus on spillway (gated) Tower powerlines are still hot.
	usorking on getting SEG connected.
	Need to deenergine tries
	How long to do that?
	Thought it was getting worked on-
2000	Kill 2 breakers to an hr
	Take 30 min to connect intake SEG to complete then they can bolate PGIE lines.

02-12-2017

2027 K. Lawson - wified womand w/ shorings
Cal Fire DWR & Sherett
confi Resource right
DWR = Kechical side
need to be completely integrated
anderen:
DSOD and our best eyes inspect
at 18+ light.
Lawson: Need I person
2030-Plate WAS Call: Croyle, Lawson, a Mouse,
Meed form up on redundant power (Carrowse)
3 copters although (a) engines a mongey
South regin stagget quigel.
K Lawson has briefing:
Pocus on Substat
Brutte, Yuba & Sutter Summary.
unfried command of BCSO
preplaning implanented already networking
currently execuations mostly bandled is
Butte unit. make sine it
Brute unit. make sure of hes Evanues - recot support

	- BCS: 35,600 DEDPIE EVACUATED
	SOIS CUSSION ON REPOPULATION
	- FAILURG MODE ENHIGHNEY SPILLWAY
	WWITER GOING OUR, ERODING ROCK, ->
	MONOLIFT
	- CONTROL SPIKEWAM HAS 1,100 OF ZONTEGRETY
	LEFT
	- EMERGIONEL SPILL IS STABLE
	-TIM W. PUT FURCES NEAREST TO GATES
	- STORM DRO SECTIONS AND IMPACT TO
220	RES, LOVEL

0930	want to meet at 0730.
	Part to Director: People in Reld needs to get into
	back to Pat - IC.
	a House informed Director that OPS is overwhelmed
	proplem with span & control
	imper:
	if it wasn't for one geologist that came down
	and got Parts attry he is arrand that we
	wouldn't have ever cought the problem.
	Director: when he went up to the dam, had
	N 10 people (technal) terling him that it was
	a problem. He asked them if it was getting
	relayed to 1 C?
	people have already been evacuated outside the
	wax probable fixed area. Need to make some we
	ask the right request - Re: mapping of stars?
	Heres Horest -> heres what it could book like
	Prograte the answer to the precise question. Don't
	provide something that isn't what exactly what
	is being asked for.
ces	Team below DIV Dam is different, they are
Compa	starring for information
10	Need to do more than a drone in marginal light.
	17120 VEST WOLF
56	: people as time goes on, pressure will use to
1000	lift was orders. Ppl will get upset.

124 A. 35,000 G5 and 6 wo, ow as anon sport O Aux ce 1000 hrs supped tairace - 251.86 Scour - No addition concerte of univaled Sollner minor existing latterly Significant scour in 3 eness. LARW (50K into lake 1.5 days. take the Should have enough Salety - Be aware - Be in contact TEDAM 3. Eval. Comm. Collab. working w/ to cob. is keem A Assess randways DIV X - pulled boots - evaluating plus EValuating debris load on Div dam. 2 Mpe 1 rescue teams Plignets: 13 ships @ our attack base heli pletform. - any drone or team sughts need to go to se him There are some regoures that and have alkie radios. Injuries - cal 911.

DUR mgmt has distribly resulting control. P. whittock winted to increase flows, mgmt said to hald, Pat did (regrettebly), and we host time because of it. Co House: They are sending resources to replace people that have way more knowledge They are incombogable so Gina is uncomportable giving it to them. was B crayle - wis Plu - Doug? shouldn't be on media anymere - Need to steel ppl from other field divisions Sheriff: want Brainstorming 3rd party SMES Need list of resources needed from other Sield divisions and army corp. If I tell him that's what we need, presty don considered they will respond. . Mesterday scary - 1,000s of ppl could have doed. Vets not let that happen again.

	213 ordering make sure you use form
	PIO- Intern. media attr: allows media access. as long as they arent hampering achieves
	Photos- send to them- sind email in project.
	France Mochange in coding to Anance
	C. Hony pulled red hardle this is what & Looks like
	G. MOUSE C. Lawson: Unhed commend w/
	BLSO + DUR
	Com. Up + Down - le A + right.
	face challeges head on.
	Public Safety and our Safety.
	It was the right decision.
	May have theaks in command staff. Keep into Now moving
1.01	Rub- update inspected stop ligs
6669 3	- every thing dry
	- Batteries - re energized charges.
	Dant sump pumps running and helding sterning
	# 1 Stilled. Keeping up Core black
	Dil everations dry. Plant is trained hunid
0621	- Keep CIG together - Keep folks out that
	went L+G. May need someone prosted at
	the door.
	K. Lawson needs the information
	# 1 inspect Aux. Spillway inspection validation
	we will need into that damage. allows EMAS to return the public.
	Dur brains work differently - Dort weight
	1

	Matt: 70% there- re: clarity of what stights
	need to be out there - he is wordinating
	Drace is 20 min Slight this AM Now
	No 8hps until 0800 for Japping nick
	ParE, Solar prophers, PJS) SRC-Dur
	Diagrea.
	cost not nounced to Calfre
	vock? would be more consortable if yes.
	vock? would be more constatable if yes.
	yes - there is a plan in place. G. House -
Dr	Need to callect necessary data to understand
	so the solution we propose is good.
	Versyng- No birds say the mast says go.
wat	20% has talked to ParE. 90% there
	Zoolo was talking to you guys
	Last 10% is talking w/ Pam (putt)
(Hory)	. Have a number of people coming that may want recon.
	recon.
	necon.
har	we do ne was doing missins all the time
mary	We do ne cons during missions all the time. Whene 3 type 2 wopters awaitable
mary	We do ne cons during missions all the time Whene 3 type 2 wopters available
mary	We do ne cons during missions all the time Whene 3 type 2 copters awardable Mission takes prioring - if we can work in
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prost	we do ne cons dung missions all the time Home 3 type 2 copters awardable Mission takes priority - if we can work in recon, then go ahead. Matt-lest nom
want was	we do ne con's during missions all the time Home 3 type 2 copters awardable Mission takes prioring - if we can work in recon, then go ahead. Matt-less nom whitete
ward was	i. we do ne con's during missions all the time It we 3 type 2 wopters awaitable Mission takes priority - if we can work in recon, then go ahead. Matt-lest nom whitherte Full ops; time sensitive + mission critical. I'll
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Diego.	i. we do ne con's doing missions all the time It we 3 type 2 wopters awaitable Mission takes prioring - if we can work in recon, then go ahead. Matt-lest norm whitete Full ops, time sensitive + mission critical. I'll Herd M. Anderson. Don't want him going around the ICS. I'm here to help. Need to be here

02-13-2017

Spillury Structure is taller the closer it is to controlled spillury.

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Softon of controlled spillury.

15 813'

reviewing drawings of monoliths. Area of concern ~ 30' If we lost a block - 25,000 cfs but it varies on which block 100,000 if s if 4 blocks were gone. If we saw that much water it wouldn't be catastrophic - we could turn off controlled spill. But is there is piping (under) a comping sediment, its more ensublishme. Max 150,000 cfs - safely release matching what other releases are. (POC) Hony- Elany please. Director - Try what if" Huny- Use of emerginal spillway is off the table. 334 mirecrot - 1+ is holding water currently, not releasing wester Lawson - Stay away from spilling over emery spill. waise 3 Days have maintained status at control spulling Forecast - lake should be down ~ 30' Higher hows = shoring out over ended area. wigh? will 30' be enough? & Director! Goal is to get to 848' I'm managing risk. Weed to get to regulatory threshold. het poutrlines aff tower & remove tower. want to get poverplant back online 2nd-burn at rop of spillway-alluvial fan. 1584e. Today - game on - want to cut a channel Annual the alluvial.

	- Issue in Russia - Leveled a powerplant
	connet risk-hydrology, - cont turn on plant
	with too much water intailrace.
Emounis	- If we can't run the generators, what do we
	use 813 what level until we can't get
	2 water out?
	Slup summary.
	Belta, not just water distribution to so-cal.
	that have been pumping tred line. this year
	Just killed Sen lus reservoir.
	(nive water to feds_
	All contactors downstream are taking as much
	as they can. Alot of water goes to rice
	country OFD primarily here to Sac.
	Max is 4000 cfs after 813.
	Director- allocation call needed.
	100% this year? Numbers being run now.
	Assume maybe that we could only use RVOS?
	once we get in chule, we can do some Senous
	work. As long as we don't thou power plant.
\ 011	son Basics - will 30' buy us what we need
Coun	based on latest projections / forecasts?
	Director - have a lot of spring muself to handle.
500	"How many days on powerhies - 2.
Criss	you many days to make channel -?
	can we run plant this week?
	Need 230 of devotion in order to get significant
	flow out of the plant Rock

To get the French - we would have to shut off/ reduce flows @ cortrol spill Weigh gains us. losses. Lose a little to gain a lot. Lawson: hight now-maintain wik due to bad fore cost. standed once we get a cleaning forecast of good weather- then get trutical. Director - series of storms - hopefully add. Lawson- requests chart - Phil to track flown. for oquo meeting. pary: Try to board's as much of a hale as possible Deterioration of control spill seems to have Stabilized. - At 55,000 efs. Ranged up to 100,000 cfs. - only been runing there for less than 12 hrs. 15 that knough to determine that stability we saw at 55,000 will stay Director-Tower- is measurable - Based on current observations - Yes Stable. Hong If the 100,000 was unstable - we would have Seen degradation by now. Correct? yes. could get asked - why should we believe this is stable if we also thought the Aux Emery Spill was stable? Director: Don't Know. Dising best we can we current municipary. There could be an issue later, it appears stable now.

	1h = 0 0 0 1 5
	the plant is.
Louse:	Tailrace elevation is 6" from stooding the plant.
	was rousing then Stabilized.
(+only	, mitigation?
//8	ouse: Sand bags, sump pumps,
	Digging is enment. 10' deep trench.
Hon	y: Back to Em Sp. Subject matter experts
	who are they? - Not names - desceptives.
	Geologist
	(Leitech 5
	Dan Engines - PERC, DSOD, + 154M
	0+ M experts
	Createch consultant
	Done have word Deep and 12 feet high
	Do we have enough. Areaney competent? Credorticle
Direct	of they did inspect last night. want to inspect again in the day.
	of they did inspect last night. Want to inspect again in the day.
	they did inspect last right. Want to inspect again in the day. - Lake has dropped 3'. At that level, are we uncerted about the pressure on the E S?
Hony	- Lake has dropped 3'. At that level, are we whereast about the pressure on the E S? No concern about pressure on the Foundation.
Hony	they did inspect last night. Want to inspect again in the day. Lake has dropped 3'. At that level, are we whenever about the pressure on the E S? No concern about pressure on blocks T- concern last night was the foundation. Stopped resisten by stopping the water.
Hony	- Lake has dropped 3'. At that level, are we whereast about the pressure on the E S? No concern about pressure on the Foundation.
Hony	they did inspect last night. Want to inspect again in the day. Lake has dropped 3'. At that level, are we uncerted about the pressure on the E S? No concern about pressure on books The concern last night was the foundation. Stopped resosion by stopping the water. They are checking for piping I boiling. To we release evacuations before the lake drops 60'?
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Direct	they did inspect last night. Want to inspect again in the day. Lake has dropped 3'. At that level, are we whereast about the pressure on the E S? No concern about pressure on books To concern last night was the foundation. Stopped equision by stopping the water. They are checking for piping I booking. Do we release evacuations before the lake drops 60'? Eastin brail N. Vogel testing us No, we don't need more P10:
Hony Direct	they did inspect last night. Want to inspect again in the day. Lake has dropped 3'. At that level, are we uncorned about the pressure on the E S? No concern about pressure on blocks To concern last night was the foundation. Stopped resistion by stopping the water. They are checking for piping I boiling. Do we release evacuations before the lake drops 60'?

1133 - Intel Brief Meeting	Need.
Derser - Porker - Honea, R. Barry. T.	whelving
+ DE ICT	
Seen site 2x to lay.	
Proces ropple	
Block ropple-episodic	
Stable until another black tumples.	
large cracks between Scar holes.	It is not
material that should see water.	
Build a road, use rock trucks.	
what we built before worked wet	t.
thate there to put in bemporary rep	ais.
Honear FERS Army, DSOD, DWR	
other folks still analyzing.	
Need is many SMES as we can	
All agree	
Ground is bad- cannot use 3/8	entil it is fixed.
it is unreliable.	
Crisis of confidence	
Long term and a temp fix is no	eded.
Based on what you are telling me - ++	wild if we
Kept water on it, the situation were	
much worse.	
Things are dynamic & subject to de	large.

Does temp fix, if efforts to keep lake level low, Sail, and it does come in to play. your would temp fix hold? Ist where we can place rock - it will hold. Meed to be quick & esticient. How long for repairs? Need 2 days PERC - what you are asking for, we can't anwer. Risks are reduced - but can't guarantee Honea- can we let people back in and here with ourselves? yes. winds work different, takes interrogation sometimes. we have what we need. Next Brief - +338 1400 - non intel Cro to work - start going END 11:52

02-13-2017

- Director to meet w/ Sheriff.). PHS-assure you that thonea is on board He was the one asking all the questions at the technical Intel Meeting.

02-08-2017 to 02-11-2017

1730 - Live feed of Bill Croyle - froze a few minutes in.

1745 - distributed sit stat report to ICS Chiefs

1808 - Standing by for Conference Call.

Joel – engineers just performed inspection at spillway. Want to talk about hydrology and projections. Discuss new spill numbers. Then we can discuss thresholds and metrics.

John – status of storm – just passed peak inflow (1600-1700) inflows got up to 190000. Should start to see decreases from here. Current status is that there is 35,000 on the spillway and 7,000 through the plant. Updated projects as of 1400. Forecast was significantly wetter than previous forecast. Didn't get

quite as much flow out of Hyatt as desired. In order to not spill over E/S we need to make an adjustment to those releases. Suggestion of combined release rate of 55,000 cfs. Increase to 50,000 on the spillway. 15,000 cfs increase.

D. Panec – have metrics changed? We are at Station 30+50 at this point, upstream of breach looks good. Spillway is acting just as it should. Will continue to have erosion on the right site, left side is good. Going to 50,000 is anticipated and could occur but the monitoring needs to be spot on. It has to become seamless. We are working diligently to make sure everyone knows what they are looking at and that everyone is staffed. Need to safely monitor the headcut. The cut back rate appears to have slowed down.

Randy: do we need more monitors?

D. Panec: 10 more personnel coming from NRO. Making sure we have enough people for each shift. Request is that one of those people is an engineer or geologist.

- J. Berringer: Scheduled through 1800 tomorrow.
- J. Ledesma says if we need more personnel let him know. We can get more resources.

Based on last forecast, upping combined flows to 55,000 would barely cover us.

We really do not want the high voltage line to go down because Hyatt would be out for an extended period of time.

If we get a load rejection we could pop headcovers. Anything less than 20,000 over emergency spillway is lowest risk, some would say its highest risk. Can we lower the elevation in the diversion pool a few feet, then we only need to increase flows down the spillway by a few thousand and run the plant at full capacity.

Are there concerns with that? Pat cannot think of any of hand. Can't think of any downstream issues. Can we temporarily isolate the power canal?

Try to lower the tailrace and get all units back on, then that will minimize the spillway increase.

Assuming head differential trick works, it could pull sediment out. Sequence: diversion dam opened up, then go up on Spillway (5,000). Sending water down the emergency spillway at 10,000 to 20,000 cfs might be better than ruining the plant.

Power one over four is anchored in the same good rock. Erosion could get closer and still not take it out.

Duval - recommend opening Diversion dam to lower diversion pool so that we can

Sheriff - open up the diversion dam – send more water down the system? Yes. What kind of increase will that cause? 2) director told him that every effort was to avoid the emergency spillway. Sounds like this plan may see the emergency spillway as a solution. M. Anderson responds – no. We do not want to

use the emergency spillway. Need advanced pubic notice, inundation maps, flowrate in the lowflow, etc. Does this new plan push out the emergency spillway? Yes it does.

Should inform the public that we are trying to avoid using the spillway, but there may be the potential that the emergency spillway gets used. If we do nothing, it is possible that we will hit the emergency spillway midnight tomorrow night.

We can't sit on the information – the information needs to get out. Get information to E. See and he will get it to Sheriff. You should be getting updates every 6 hours when new forecasts come out. Downstream control is 180,000 cfs – but it's not commonly seen and the public just needs to be aware.

In 1997 we had 160,000 cfs. We are looking at 50,000 to 70,000. Social media is different now and we need to be more prudent about getting good information out there.

Pat: We've already provided direction to senior operator to lower the Diversion Dam. Bruce is on phone talking to senior operator. He's probably working with POC to make it work.

Tower 1-4: should we increase spillway flows? With possible potential of losing Tower 1-4. Lets go up 5,000 on Spillway and monitor.

1850-6k out Diversion Dam happening now

J. Royer – I would feel better going in 5000 increments.

Joel – clarifying that there are metrics in place for lateral cutting.

Do we have concern about the tower – the foundation is on rock. No concern presently.

HDR – rate of erosion is drastically reduced $(1/5^{th})$ what it was. Assuming same erosion propagates, we have 200 feet right now. How long can we use the spillway? Thought we could go to station 18 - it's 1200 feet away.

What happens if we go from 35,000 to 42,000 is not much of an increase.

DSOD and FERC seem to be in concurrence. Station 18 is reasonable.

Go to 42000 on gated chute - suggested.

Call moved to a new location because DOC is on line at 1900.

02-08-2017 to 02-11-2017

1400 - FOC Call IN

Dozens of People Calling in

E. See: Now have a daily update meeting at 10:00 at DPR to touch base with emergency responders. Intended primarily for event we are having locally. Oroville Dam Spillway, not a flood response ICT. Flows we are releasing now are not that high. We've released flows this high in the past. Misconceptions in media about flooding here in Oroville. Not floodstage releases in Oroville. Regarding our Emergency Spillway, with latest forecast we are hoping we do not need to use the Emergency Spillway. We are not anticipating releases going above 65,000 cfs today, it may go a little higher, but not by much. Sheriff Hony – set up trigger points of when he should be notified to get his people ready. Established number at 80,000 cfs. So, if Oroville releases hit 80,000 he will begin planning for a possible flooding situation. He has to plan for worst case scenario. Helpful for us – are there downstream trigger points?

Question: How long does Oroville feel like they can pass 65,000 safely? Is there a point in the future when we would cut back?

Response – would continue to spill until we are unencroached in our Army Corp reserve. It depends on Monitoring.

Question: Rate of erosion approach thresholds within next 10 days?

E. See: Right now, expect that there is hard rock and should be able to continue to spill. If we are going to spill, it would be a very small spill. Does not mean there will be a flood.

Question: Does 80,000 scare anyone?

M. Murray: Triggers local law enforcement here in Oroville.

FOC-Everything is subject to change – what kind of notice or heads up can flood center expect the flow to go to zero.

No certainty in river flows or forecasts - getting a heads up on release changes is important. Can FOC get an update as soon as possible?

M. Murray - Brian Smith from FOC is stationed here. He should be the point of contact. Also Blackboard Connect notifications are made.

Wendy - Every 6 hours the forecasts are being done.

FOC – biggest concern is debris

E. See – if debris gets passed the boom lines (large woody debris) it would likely be stopped at the Diversion Dam. The clearing occurring now is prepatory/cautionary.

SBFCA – next event? Possibly another atmospheric event? At some point we cant operate the gated spillway, what happens next if we can't use the gated spillway and are left to the mercy of the emergency spillway? Are there any other trends that look like this may be a unique year.

NWS – river forecast center are issuing inflow forecasts – 5 days worth of forecast. They are being provided information as much as we can.

Suppose we could look at trends and some of the past years data. Long term modeling is not accurate beyond 7 days. At the FOC we look at the weather system by system.

Forecasted Coordinated Operations Program – excellent communication going on – call every day since January 5, 2017.

E. See – How do we get that information to the responders? – that is a key element, need to bridge that gap. Eric to call: 530-741-5015

Should we use same trigger (80,000) point for you downstream?

M. Murray – will have Brian Smith relay release changes immediately – even if contemplated.

SBFCA – Are we able to monitor rate of erosion in real time? With water on the spillway it's covered. Some things we can see visually. But to see anything in detail we would need to shut it down. We still have quite a ways to go before we hit any triggers.

From where original problem started to where it is today?

K. Dossey – approximately 200 feet. Reached better good rock under the spillway.

8 hours to Gridley.

They will email link to the travel time after the meeting or they could look in the FERC EAP or they can check cdec.

Reclamation district – impacted by Shasta and Oroville – is there communication between Shasta and Oroville. Positioned Slightly upstream of Fremont Weir. At this point we are not looking at inflows that rival 1997.

Averaging moderate flow to high flows.

Oroville to Marysville is 24 hours.

Yolo County – monitoring effects of debris if they we spill over the emergency spillway.

K. Dossey clarified - in FERC EAP, dam failure, initial wave is 14 hours from Oroville to Marysville.

Can we take the flow higher out the spillway?

E. See – balance concern for erosion, hydrology, engineering, etc. Prepared to have the discussion, they are comfortable with the 65,000.

Three rivers - what is capacity of gated spillway?

E. See & Dossey: 500,000 cfs is capacity of emergency spillway. Probable maximum flood. That's with 16' of water going over it.

Need for this call tomorrow? Don't see a need.

Another press conference tomorrow? E. See – maybe. Two press releases a day, updates via social media.

1457 - END OF CALL

02-08-2017 to 02-11-2017

0400 - Email from Bill Croyle

Bill Croyle emailed Gina if locals have been notified if the emergency spillway will need to be used

The deputy mentioned that he already notified the Sheriff. He will contact the police if he has a concern. Phil mentioned Gina to ask Bill if anyone else should be notified.

2/11

M. Anderson - 0738 - Weed botter manyonery continuous all day.

- Need a guy here from J. Leahigh.

- Direct committation w/ someone that can put

- undelineity to public 15 Shorist is hearing 3,300 = 33,000.

at 80,000-its the trigger- will get there today.

head. Extractly it will go over, not at same rate going in.

10,000 cfs Aux spill
up to for up to 2 days
think it will be I day. J. Leahigh
Dors have stilling to monitor

Recommend to decrergize tower. Phit

Plant is secured.

Cannot determing risk to 1/4
0744 Cest meating to follow Pat

Need table from A. Miller in reverse.

0922

M. anderson just come in

can see the debris - Boulder Bar Down hill is completely dear Do we need to see it from the air? Explosive plan night not work. might have plan to increase that slow. Dulis Dan-opportunity to knotch Is think we can relieve the tri race? potentially excessible. Somes plant and increase flow down river Can't geopardize bout Attempt to reestablish the plant - # Keep plant Sheriff - problem wy plant - need to start taking to media about it. transparein

Anderson - we explained when tail are is high, we can't generate.

People don't understand the gravity. act something for B. Croyle.

operation- labors in Div. Publ. continuing 1' autopping 12+3K Ste hr. peak at 2100 55 cfs middle range. range on discharge - range on Q range on time. Firecast - Consistent Max flew: 1' to 1.5' above weir. max flow 6 to 12,000 cfs. Don't have time Duration - 38 to 56 hrs 0900 estimate of clear flow 144 cfs at 3000 0800 668 of at 2100 ingluve 890089000 gs West call at 1230. Call End 0937

M. Smith question) Facility concern?