

ONLINE SECURITY, GEOLOCATION, CYBERBULLYING, SEXTING, AND SOCIAL MEDIA TRENDS

# Butte-Silver Bow Law Enforcement Department

**DETECTIVE SERGEANT JEFF WILLIAMS** 



## Internet Crimes Against Children Taskforce

DETECTIVE SERGEANT JEFF WILLIAMS





## INTERNET CRIMES AGAINST CHILDREN MISSION STATEMENT

- PROPERLY INVESTIGATE AND PROSECUTE THOSE
   WHO SEXUALLY EXPLOIT CHILDREN THROUGH
   THE USE OF THE INTERNET AND/OR COMPUTERS
- PROVIDE TRAINING AND EQUIPMENT TO THOSE INVOLVED INVESTIGATING AND PROSECUTING THESE CASES
- PROVIDE COMMUNITY EDUCATION REGARDING THE PREVENTION OF INTERNET CRIMES AGAINST CHILDREN

### INTERNET CRIMES AGAINST CHILDREN

- MONTANA HAS ICAC INVESTIGATORS IN ALL MAJOR CITIES (EITHER PART-TIME OR FULL TIME)
- INVESTIGATORS ARE ASSIGNED CASES
   REPORTED LOCALLY
- INVESTIGATORS ARE ALSO ASSIGNED CYBERTIPS
   VIA THE NATIONAL CENTER FOR MISSING AND EXPLOITED CHILDREN (NCMEC)
- CYBERTIPS ARE REPORTED EITHER BY PEOPLE OR ELECTRONIC SERVICE PROVIDERS (ESPS)

## NATIONAL CENTER FOR MISSING AND EXPLOITED CHILDREN

- PRIVATE NON-PROFIT CORPORATION
- MISSION: TO HELP FIND MISSING CHILDREN,
   REDUCE CHILD SEXUAL EXPLOITATION, AND
   PREVENT CHILD VICTIMIZATION
- NCMEC WORKS WITH FAMILIES, VICTIMS, LAW ENFORCEMENT, PRIVATE INDUSTRY, AND PUBLIC
- WWW.MISSINGKIDS.ORG

#### DEFINITIONS

- UNITED STATES CODE DEFINES CHILD
   PORNOGRAPHY AS ANY VISUAL DEPICTION OF
   SEXUALLY EXPLICIT CONDUCT INVOLVING A
   MINOR (SOMEONE UNDER 18 YEARS OF AGE)
- CHILD SEXUAL ABUSE MATERIAL (CSAM): MORE ACCURATELY REFLECTS WHAT IS DEPICTED IN C.P.-THE SEXUAL ABUSE AND EXPLOITATION OF CHILDREN INCLUDING RE-VICTIMIZATION AS THESE IMAGES ARE SHARED ACROSS THE INTERNET

## PROTECTING YOUR ONLINE ACCOUNTS

- UTILIZE BIOMETRIC, PASSCODE, AND GESTURE CODE PROTECTION ON DEVICES
- UNIQUE USERNAMES AND PASSWORDS
- PASSWORD MANAGEMENT APPS
- BE AWARE OF LOCATION SERVICES
- YOUR DEVICES ARE ALWAYS WATCHING WHAT YOU TYPE AND LISTENING TO WHAT YOU SAY AND WILL TAILOR ADS ACCORDINGLY
- ONLINE MONITORING SERVICES
- 1. Identity Theft Insurance
- 2. Monitoring all 3 credit bureaus
- 3. Dark web monitoring
- 4. Compatible w/your devices
- 5. \$\$\$ Cost-Utilize free trials to find what suits you
- 6. Google search for ideas

#### SOCIAL MEDIA SNOOPING!

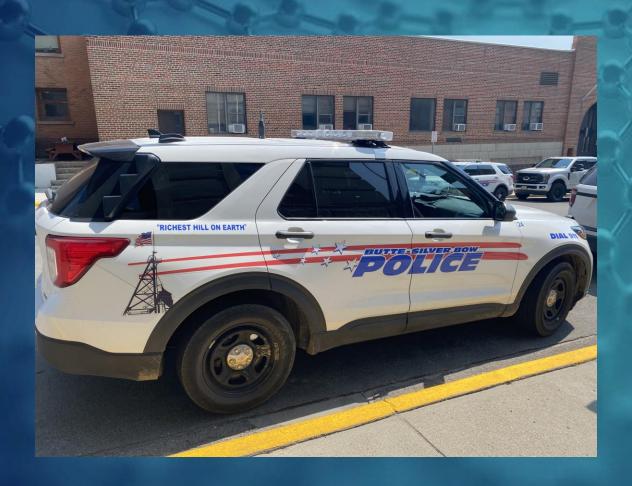
- NEVER. NEVER. USE PERSONAL ACCOUNTS TO SEARCH OR SNOOP ON ANYONE.
- SOCIAL MEDIA PLATFORMS USE YOUR SEARCH HABITS AND HISTORIES TO IDENTIFY POSSIBLE "FRIENDS" (FACEBOOK "PEOPLE YOU MAY KNOW"
- IF YOU COME ACROSS EVIDENCE OF CRIMINAL ACTIVITY REPORT IT TO SRO OR LOCAL LAW ENFORCEMENT

- PROVIDES LOCATION INFORMATION ON MOBILE DEVICES VIA GPS, CELL SERVICE, IP ADDRESS
- GEOLOCATION CAN BE EMBEDDED WITHIN IMAGES
- SOCIAL MEDIA APPS ALSO UTILIZE GEOLOCATION
- LATITUDE AND LONGITUDE

- HOW HARD IS IT TO FIND A PERSON'S EXACT LOCATION?
- WHAT HAPPENS WHEN YOU POST PICTURES ON THE INTERNET?
- WHAT HAPPENS WHEN YOU SEND IMAGES VIA EMAIL OR TEXT?



Entry	Value	Tag	Туре
● GPS			
GPS Latitude Ref	North latitude	0001	Α
GPS Latitude	46°0'53.67"	0002	R
GPS Longitude Ref	West longitude	0003	Α
GPS Longitude	112°32'16.07"	0004	R
GPS Altitude Ref	Sea level	0005	В
GPS Altitude	1753.8023m	0006	R
GPS Speed Ref	Kilometers per hour	000C	Α
GPS Speed	2.5101	000D	R
GPS Img Direction Ref	True direction	0010	Α
GPS Img Direction	81.7	0011	R
GPS Dest Bearing Ref	True direction	0017	Α
GPS Dest Bearing	81.7	0018	R
GPS Date Stamp	2021-08-12 UTC	001D	Α
001F	83817/2599	001F	R



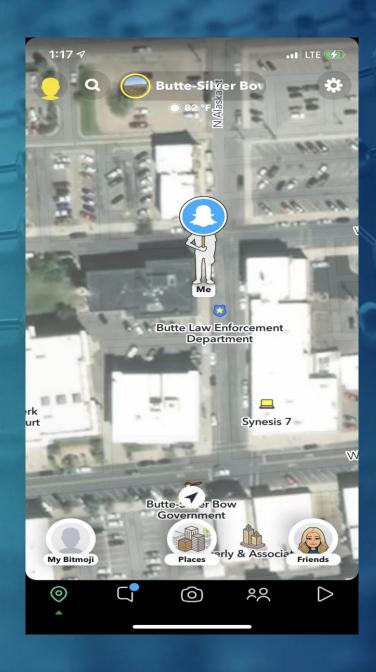
Entry	Value
Eliuy	value
ř.	

#### SNAPCHAT SNAP MAP

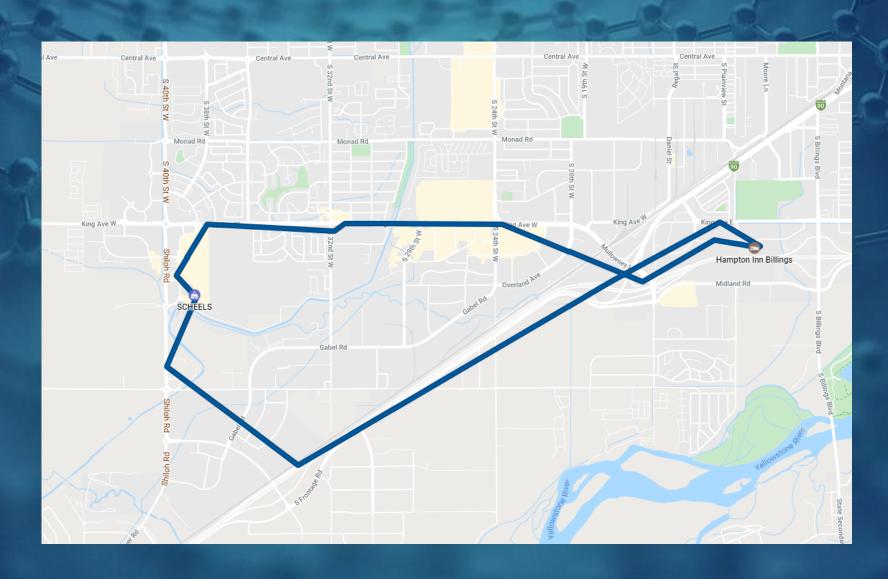
 USES GEOLOCATION TO DISPLAY YOU AND YOUR FRIEND'S LOCATION

DEFAULT=LOCATION IS ON

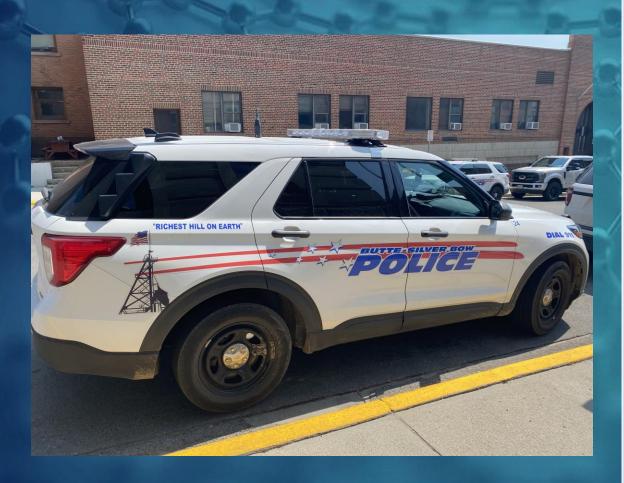
"GHOST MODE"



#### GOOGLE



#### METADATA



Entry	Value	Tag	Туре	
Image				
Make	Apple	010F	Α	
Model	iPhone 11 Pro	0110	Α	
Orientation	top/left	0112	S	
X Resolution	72	011A	R	
Y Resolution	72	011B	R	
Resolution Unit	inch	0128	S	
Software	14.7.1	0131	Α	
Date Time	2021-08-12 13:02:33	0132	Α	
Host Computer	iPhone 11 Pro	013C	Α	
YCbCr Positioning	centered	0213	S	
Exif IFD Pointer	Offset: 236	8769	L	
GPS Info IFD Pointer	Offset: 2128	8825	L	
Camera	0.1001. 2.120	0020	_	
Exposure Time	1/1996"	829A	R	
F Number	F1.8	829D	R	
Exposure Program	Normal program	8822	S	
ISO Speed Ratings	32	8827	S	
Exif Version	30, 32, 33, 32	9000	U	
Date Time Original	2021-08-12 13:02:33	9003	Α	
Date Time Digitized	2021-08-12 13:02:33	9004	Α	
9010	-06:00	9010	Α	
9011	-06:00	9011	Α	
9012	-06:00	9012	Α	
Components Configura	YCbcr	9101	U	
Shutter Speed Value	10.96 TV	9201	SR	
Aperture Value	1.7 AV	9202	R	
Brightness Value	9.16 BV	9203	SR	
Exposure Bias Value	±0EV	9204	SR	
Metering Mode	Pattern	9207	S	
Flash	Flash did not fire, compulsory flash mode	9209	S	
Focal Length	4.25mm	920A	R	
Subject Area	Rectangle: center(x=2002, y=1505), width=2213, height=1324	9214	S	
Maker Note	1242 Byte	927C	U	
Subsec Time Original	0.386"	9291	A	
Subsec Time Digitized	0.386"	9292	A	
Flashpix Version	Version 1.0	A000	U	
Color Space	Uncalibrated	A001	S	
Exif Image Width	4032	A002	L	
Exif Image Height	3024	A002	L	
Sensing Method	One-chip color area sensor	A217	S	
Scene Type	A directly photographed image	A301	U	
Exposure Mode	Auto exposure	A402	S	
White Balance	Auto white balance	A402	S	
vviille balance	Auto write parafice	H403	3	

#### MONTANA AND FEDERAL LAWS

- MONTANA CODE ANNOTATED 45-5-625: SEXUAL
   ABUSE OF CHILDREN COVERS
- 1. USE OF A CHILD IN AN EXHIBITION OF SEXUAL CONDUCT
- ALL PHOTOGRAPHING AND RECORDING OF A CHILD ENGAGING IN SEXUAL CONDUCT
- 3. USING ELECTRONIC COMMUNICATION OR IN PERSON TO ENTICE, COERCE, ETC. CHILD UNDER 16 TO ENGAGE IN SEXUAL CONDUCT
- 4. POSSESSION OF CSAM
- 5. FINANCING CSAM
- 6. TRAVELS TO MEET CHILD UNDER 16 FOR ENGAGEMENT OF SEXUAL CONDUCT

#### MONTANA AND FEDERAL LAWS

- HUMAN TRAFFICKING:
- 45-5-702 TRAFFICKING OF PERSONS
- 45-5-703 INVOLUNTARY SERVITUDE
- 45-5-704 SEXUAL SERVITUDE
- 45-5-705 PATRONIZING VICTIM OF SEXUAL SERVITUDE

#### MONTANA AND FEDERAL LAWS

- 18 U.S.C. § 2256 (2) AND (5)-CHILD
   PORNOGRAPHY DEFINITIONS
- 18 U.S.C. § 2251, 2252, 2252A-POSSESSION, ACCESS WITH INTENT TO VIEW, RECEIPT, DISTRIBUTION, TRANSPORTATION, OR PRODUCTION OF C.P.
- 18 U.S.C. § 1591 (A)(1) SEX TRAFFICKING OF CHILDREN

#### SEXTING

SENDING, RECEIVING, OR

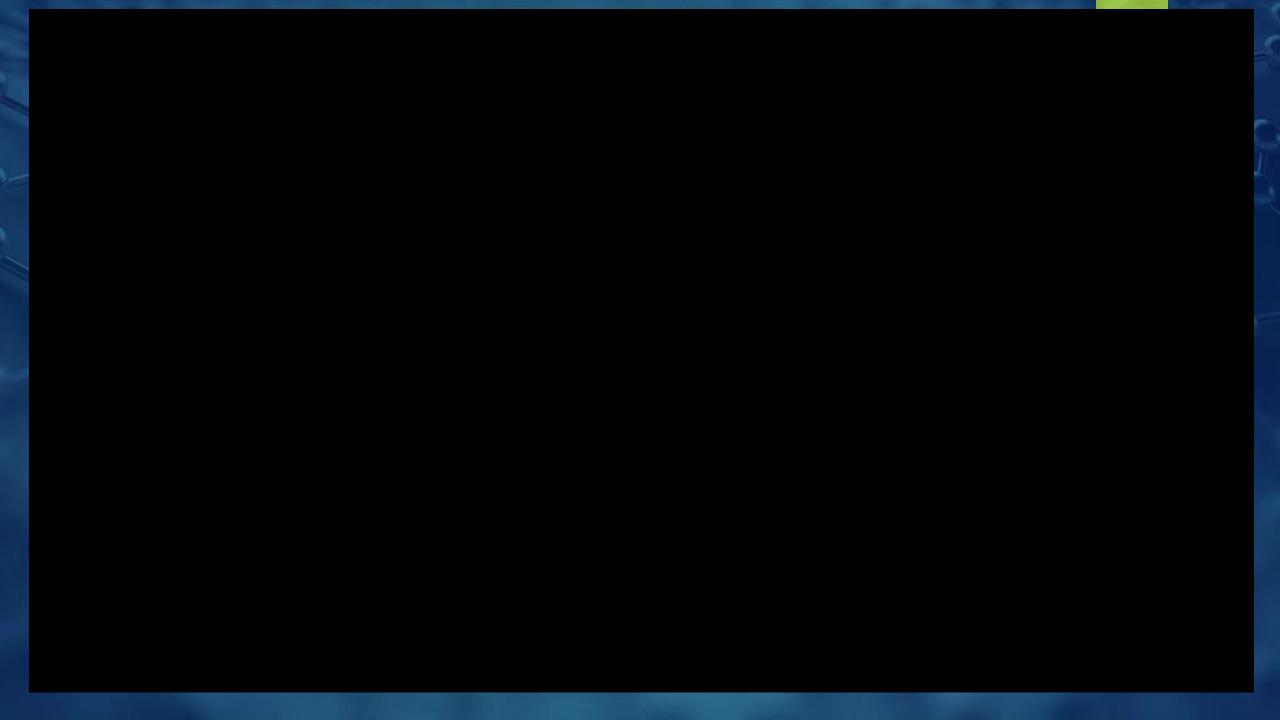
FORWARDING ANY SEXUALLY EXPLICIT

MESSAGE OR IMAGE ELECTRONICALLY

#### SEXTING

#### SEXTING

- 17% OF SEXTERS SHARE THE MESSAGES THEY RECEIVE. 55% OF THOSE SHARE WITH MORE THAN ONE PERSON
- NEARLY 40% OF ALL TEENS HAVE POSTED OR SENT SEXUALLY SUGGESTIVE MESSAGES
- 15% OF TEENS WHO HAVE SENT OR POSTED NUDE/SEMI-NUDE IMAGES OF THEMSELVES SEND
   THEM TO PEOPLE THEY HAVE NEVER MET OTHER THAN ONLINE
- 24% OF TEENS AGES 14-7 AND 33% OF YOUNG ADULTS AGES 18-24 HAVE BEEN INVOLVED IN
   SOME FORM OF SEXTING
- 11% OF TEEN GIRLS AGES 13-16 HAVE BEEN INVOLVED IN SEXTING
- STATISTICS COURTESY OF DOSOMETHING.ORG



#### CYBERBULLYING

### OCCURS OVER THE INTERNET AND INCLUDES THE FOLLOWING:

- NAME CALLING
- SPREADING RUMORS
- MAKING THREATS
- SENDING MESSAGES TELLING OTHERS TO COMMIT SUICIDE
- CIRCULATING SEXUALLY SUGGESTIVE/EXPLICIT IMAGES
- CAN USE FAKE ACCOUNTS





#### AMANDA TODD

- CYBERBULLYING BEGAN FOR AMANDA IN 7<sup>TH</sup> GRADE
- HER FAMILY MOVED SEVERAL TIMES BUT HER STALKER FOUND HER EACH TIME
- SHE ATTEMPTED SUICIDE SEVERAL TIMES
- SHE COMMITTED SUICIDE IN 10<sup>TH</sup> GRADE
- SHE POSTED THAT VIDEO ONE MONTH BEFORE HER DEATH
- SHE TITLED IT "MY STORY: STRUGGLING, BULLYING, SUICIDE, AND SELF-HARM"



#### SOCIAL MEDIA OVERVIEW











#### BUT WHAT ELSE IS OUT THERE?

YOLO





#### OMEGLE: TALK TO STRANGERS!!!



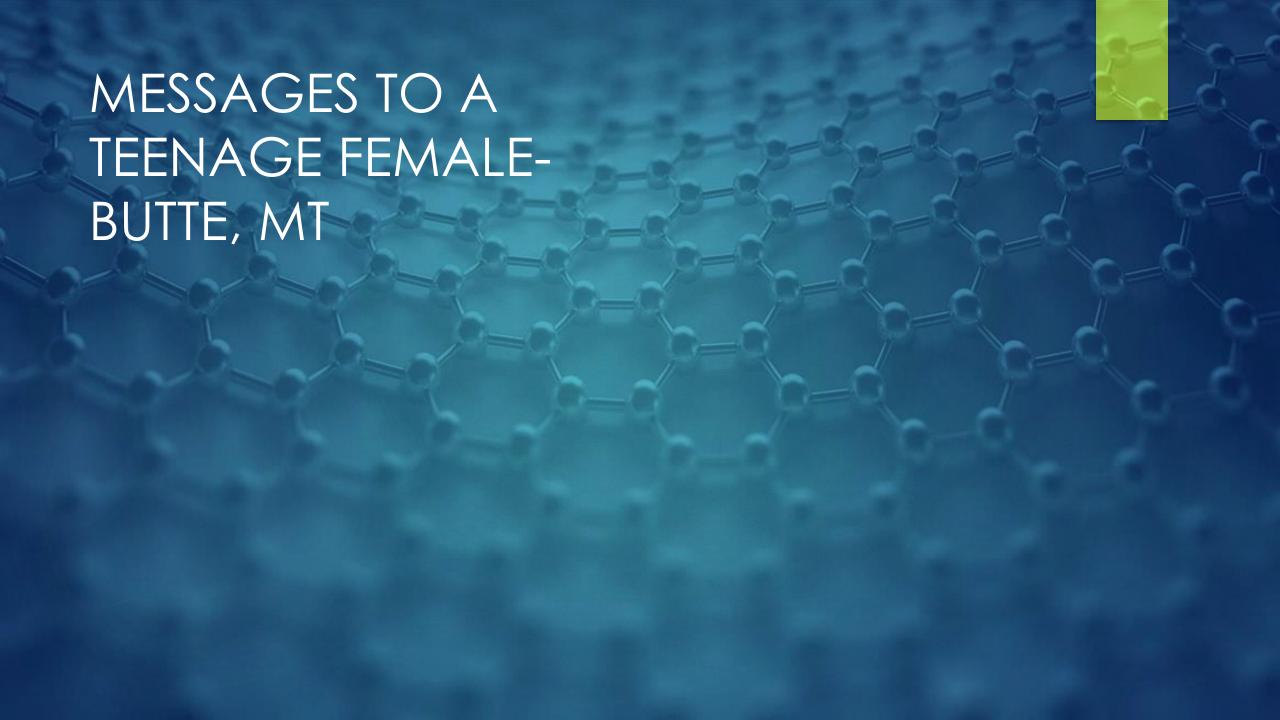
## WHAT CAN LAW ENFORCEMENT LOCATE ON PHONES AND SOCIAL MEDIA?

- PHYSICAL EXTRACTIONS FROM A DEVICE
- SEARCH WARRANTS ON SOCIAL MEDIA
- SEARCH WARRANTS ON ELECTRONIC SERVICE PROVIDERS
- SNAPCHAT EXAMPLE: IT DISAPPEARED BUT IS IT GONE???
- PICTURES, VIDEOS, MESSAGES,

## SO WHAT'S REALLY ON OUR

- ADULT PORNOGRAPHY SITES
- ADULT PORN SITES USE SNAPCHAT, INSTAGRAM, AND OTHER PLATFORMS TO LINK THEIR PRODUCTS TO PEOPLE
- NUDES (SELFIES AND IMAGES/VIDS SENT)
- SEXUALLY EXPLICIT NUDES AND GIFS





#### A CRIMINAL INVESTIGATION

- CYBERTIP RECEIVED FROM FACEBOOK. INCLUDES EXCHANGED CSAM BETWEEN TWO USERS ON MESSENGER THAT ARE INITIALLY IDENTIFIED AS AN ADULT MALE AND A JUVENILE FEMALE. IDENTIFIERS INCLUDE FACEBOOK USERNAME, IP ADDRESS, AS WELL AS A GMAIL ADDRESS FOR THE ALLEGED SUSPECT. ALL REPORTS FROM NOMEC ARE DOWNLOADED.
- PRESERVATION LETTER: FACEBOOK AND GOOGLE
- IP ADDRESS SEARCH TO IDENTIFY ELECTRONIC SERVICE PROVIDER AND SEND SUBPOENA.
- VICTIM IDENTIFICATION: FACEBOOK ACCOUNT, IP ADDRESS IF NEEDED, SCHOOL RESOURCE OFFICERS, LOCAL DEPARTMENT DATABASE.
- CONTACT VICTIM PARENTS/GUARDIANS. SET UP FORENSIC INTERVIEW AT CHILD EVALUATION CENTER. NOTIFY DPHHS CENTRALIZED INTAKE OF INCIDENT. THESE ACTIVATE MULTI-DISCIPLINARY TEAM.

#### A CRIMINAL INVESTIGATION

- IF SUSPECT IS OUT OF JURISDICTION I WOULD CONTACT AN ICAC INVESTIGATOR TO ASSIST. FOR PURPOSE OF EXAMPLE, SUSPECT IS IN MY JURISDICTION.
- APPLY FOR SEARCH WARRANTS FOR FACEBOOK, GOOGLE, AND THE SUSPECT RESIDENCE (BASED OFF IP ADDRESS). THE ESP WARRANTS ARE FOR CONTENT. THE RESIDENCE IS FOR ELECTRONIC DEVICES AND OTHER EVIDENCE OF CSAM.
- ESP WARRANTS ARE SUBMITTED ELECTRONICALLY. MUST BE DISTRICT COURT AS THEY ARE SERVED OUT OF COUNTY.
- EXECUTE SEARCH WARRANT ON TARGET HOUSE. SOMETIMES A SUSPECT ISN'T
  IDENTIFIED SO ANYONE LIVING THERE OR W/ACCESS TO INTERNET IS A POTENTIAL
  SUSPECT. IF SUSPECT IDENTIFIED, I WOULD ATTEMPT TO INTERVIEW.
- WAIT FOR SEARCH WARRANT RETURNS.

#### A CRIMINAL INVESTIGATION

- IF ELECTRONIC DEVICES ARE SEIZED, AN ADDITIONAL SEARCH WARRANT TO HAVE THEM FORENSICALLY EXAMINED IS APPLIED FOR THE FORENSIC EXAM OF DEVICES IS DONE IN HELENA BY STATE INVESTIGATORS.
- ONCE ALL EVIDENCE IS RETURNED (CAN TAKE MONTHS) A DECISION ON CRIMINAL CHARGES IS MADE.
- VICTIMS HAVE ACCESS TO SERVICES THROUGH THE CEC SUCH AS COUNSELLING, THERAPY, ETC.
- EVERY INVESTIGATION IS DIFFERENT. IF AN INVESTIGATION SHOWS THAT THE IDENTIFIED CSAM IS FROM AN UNDERAGE SUBJECT OR BETWEEN TWO UNDERAGE SUBJECTS, MYSELF OR AN SRO MEET WITH THE CHILD AND PARENTS AND PROVIDE EDUCATION

#### THANK YOU

DETECTIVE SERGEANT JEFF
 WILLIAMS

406-497-1157

JJWILLIAMS@BSB.MT.GOV

