

IMARS Incident details

Printed by: U.S. Department of the Interior , National Park Service
 Printed: 01/05/2016 16:39
 Incident: **NP15108913**

Incident details:

Report no.: NP15108913
 Incident Type: Missing Person (NPS-92-00-00)
 Incident time: 08/07/2015 08:59 -
 Reported time: 08/07/2015 08:59
 Place of incident:
 Clearance status: Closed - Found/rescued
 Concluded: No
 Concluded date:
 Summary: YELL LAKE Crosby SAR
 Remarks:

Associated incidents:

Involved persons:

- GARRISON, CHARLES O M. D / Other / Gender: Male
- CROSBY, LANCE [DECEASED] / Concessionaire; Deceased; Missing person; Victim / Gender: Male
- DAIGLE-BERG, COLETTE / Employee Non LE / Gender: Female
- [REDACTED] Complainant; Concessionaire / Gender: [REDACTED]

Involved addresses:

- GRAND LOOP RD / Incident address / YELLOWSTONE NATIONAL PARK, Wyoming, USA 82190 (ELEPHANT BACK TRAILHEAD) (Region: IMR, State/Zone: WY, Area: YELL, Site: LAKE)

Involved officers:

- Assisting officer [A] / 9 / ROSS, B. / #650 / NPS / Police other / NPS YELL / #CR148 WEBSTER, P. / 08/07/2015 / 20150807 --:--:--
- Reporting officer [A] / 9 / PAXTON, J. / #2618JP / NPS / Police other / NPS ELMO / #CR23 LYNCH, K. / 08/07/2015 / 20150807 --:--:--

Reports:

Ext. doc. occ report [PDF, 1.06 MB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)
 Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892
 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #650 ROSS, B. Report time: 08/28/2015 11:42
 Entered by: #650 ROSS, B. Entered time: 12/18/2015 07:42
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: 1-4 - NP15108913 SAR 080715_CROSBY

Ext. doc. occ report [DOC, 108.41 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby

Task: SAR)
 T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892
 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00)
 @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #2618JP PAXTON, J. Report time: 08/09/2015 11:19
 Entered by: #650 ROSS, B. Entered time: 12/18/2015 07:44
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: 1-5 - NP15108913 BOLO 15-31

Ext. doc. occ report [XLSX, 129.29 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)
 Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892
 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00)
 @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #650 ROSS, B. Report time: 08/10/2015 10:54
 Entered by: #650 ROSS, B. Entered time: 12/18/2015 07:46
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: Author: Laura Dooley. 1-5 - NP15108913 CROSBY - SAR Personnel Time

Ext. doc. occ report [XLSX, 121.88 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)
 Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892
 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00)
 @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #650 ROSS, B. Report time: 08/28/2015 10:47
 Entered by: #650 ROSS, B. Entered time: 12/18/2015 07:49
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: 1-5 - NP15108913 Crosby SAR Purchasing Form

Ext. doc. occ report [PDF, 714.06 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)
 Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892
 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00)
 @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #650 ROSS, B. Report time: 08/08/2015 07:04
 Entered by: #650 ROSS, B. Entered time: 12/18/2015 07:51
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: Author: Laura Dooley. 1-5 - NP15108913 Crosby SAR Radio Log 08-07-2015

Ext. doc. occ report [XLSX, 11.75 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)
 Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892
 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00)
 @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #650 ROSS, B. Report time: 08/10/2015 10:50
 Entered by: #650 ROSS, B. Entered time: 12/18/2015 07:52
 Person:
 Address:

Vehicle:
 Officer:
 Remarks: 1-5 - NP15108913 Employee check in-out 8-7-15 for Crosby

Ext. doc. occ report [PDF, 159.94 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)
 Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892
 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00)
 @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #650 ROSS, B. Report time: 08/22/2015 13:31
 Entered by: #650 ROSS, B. Entered time: 12/18/2015 08:05
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: Author: Blake Chartier 1-6 - Carisch Daily Diary AUG.7, 2015

Ext. doc. occ report [PDF, 161.52 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)
 Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892
 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00)
 @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #650 ROSS, B. Report time: 08/22/2015 13:31
 Entered by: #650 ROSS, B. Entered time: 12/19/2015 07:16
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: Author: Blake Chartier 1-6 - Carisch Daily Diary AUG.8, 2015

Ext. doc. occ report [PDF, 168.15 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)
 Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892
 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00)
 @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #650 ROSS, B. Report time: 08/22/2015 13:31
 Entered by: #650 ROSS, B. Entered time: 12/19/2015 07:18
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: Author: Blake Charier 1-6 - Carisch Daily Diary AUG.10, 2015

Ext. doc. occ report [PDF, 182.99 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)
 Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892
 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00)
 @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #650 ROSS, B. Report time: 08/22/2015 13:31
 Entered by: #650 ROSS, B. Entered time: 12/19/2015 07:21
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: Author: Blake Chartier 1-6 - Carisch Daily Diary AUG.11, 2015

Ext. doc. occ report [PDF, 4.49 MB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)
 Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892

SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00)
 @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #650 ROSS, B. Report time: 11/18/1918 13:40
 Entered by: #650 ROSS, B. Entered time: 12/19/2015 07:22
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: Author: Kerry Gunther 2-1 - Elephant Back Forensic Evidence Final

Ext. doc. occ report [DOCX, 21.12 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)
 Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892
 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00)
 @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #650 ROSS, B. Report time: 09/16/2015 15:42
 Entered by: #650 ROSS, B. Entered time: 12/19/2015 07:24
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: 2-2 - NP15108913 Ross Narrative Report

Ext. doc. occ report [DOCX, 17.18 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)
 Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892
 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00)
 @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #650 ROSS, B. Report time: 08/18/2015 17:12
 Entered by: #650 ROSS, B. Entered time: 12/19/2015 07:25
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: Author: Dan Hall 3 - NP15108913 Hall Supplemental

Ext. doc. occ report [DOCX, 18.27 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)
 Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892
 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00)
 @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #2618JP PAXTON, J. Report time: 08/31/2015 15:17
 Entered by: #650 ROSS, B. Entered time: 12/19/2015 07:27
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: 3 - NP15108913 Paxton Supplemental - interviews

Ext. doc. occ report [DOCX, 15.79 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)
 Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892
 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00)
 @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #1170 STADLER, M. Report time: 09/03/2015 14:14
 Entered by: #650 ROSS, B. Entered time: 12/19/2015 07:29
 Person:
 Address:
 Vehicle:
 Officer:

Remarks: 3 - NP15108913 Stadler Supplemental

Ext. doc. occ report [PDF, 1.55 MB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)

Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)

Author: #650 ROSS, B. Report time: 12/16/2015 11:21

Entered by: #650 ROSS, B. Entered time: 12/19/2015 07:30

Person:

Address:

Vehicle:

Officer:

Remarks: Author: Kerry Gunther 4 - NP15108913 Contact Sheet -- Gunther, K

Ext. doc. occ report [PDF, 1.56 MB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)

Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)

Author: #2709JL LEININGER, J. Report time: 09/04/2015 13:01

Entered by: #650 ROSS, B. Entered time: 12/19/2015 07:31

Person:

Address:

Vehicle:

Officer:

Remarks: 4 - NP15108913 Photo Contact Sheet -- Leininger

Ext. doc. occ report [PDF, 8.60 MB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)

Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)

Author: #650 ROSS, B. Report time: 09/09/2015 13:29

Entered by: #650 ROSS, B. Entered time: 12/19/2015 07:32

Person:

Address:

Vehicle:

Officer:

Remarks: 4 - NP15108913 Photo Contact Sheet -- Ross B

Ext. doc. occ report [XLSX, 21.91 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)

Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)

Author: #2709JL LEININGER, J. Report time: 08/27/2015 12:41

Entered by: #650 ROSS, B. Entered time: 12/19/2015 07:34

Person:

Address:

Vehicle:

Officer:

Remarks: 4 - NP15108913 Photo log -- Leininger

Ext. doc. occ report [XLSX, 26.79 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)

Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)

Author: #650 ROSS, B.
 Entered by: #650 ROSS, B.
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: 4 - NP15108913 Photo log -- Ross B

Report time: 09/09/2015 15:15
 Entered time: 12/19/2015 07:35

Ext. doc. occ report [PDF, 87.72 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)
 Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #650 ROSS, B. Report time: 09/03/2015 12:31
 Entered by: #650 ROSS, B. Entered time: 12/19/2015 07:35
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: Author [REDACTED] 5 - NP15108913 [REDACTED] Statement Form

Ext. doc. occ report [PDF, 43.06 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)
 Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #650 ROSS, B. Report time: 08/29/2015 13:05
 Entered by: #650 ROSS, B. Entered time: 12/19/2015 07:37
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: Author: [REDACTED] 5 - NP15108913 [REDACTED] Statement Form

Ext. doc. occ report [PDF, 101.99 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)
 Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #650 ROSS, B. Report time: 08/31/2015 14:53
 Entered by: #650 ROSS, B. Entered time: 12/19/2015 07:38
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: Author [REDACTED] 5 - NP15108913 [REDACTED] Statement Form

Ext. doc. occ report [PDF, 209.69 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)
 Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #650 ROSS, B. Report time: 10/20/2015 13:30
 Entered by: #650 ROSS, B. Entered time: 12/19/2015 07:39
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: Author: Kerry Gunther 6 - CrosbyFatality_Aerial_Distances

Ext. doc. occ report [PDF, 94.42 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)

Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)

Author: #650 ROSS, B. **Report time:** 09/08/2015 16:11

Entered by: #650 ROSS, B. **Entered time:** 12/19/2015 07:41

Person:

Address:

Vehicle:

Officer:

Remarks: Author: Kerry Gunther 6 - CrosbyFatality_Veg CoverType_wcairn

Ext. doc. occ report [JPG, 5.09 MB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)

Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)

Author: #650 ROSS, B. **Report time:** 08/28/2015 14:36

Entered by: #650 ROSS, B. **Entered time:** 12/19/2015 07:42

Person:

Address:

Vehicle:

Officer:

Remarks: Author: Kerry Gunther 6 - Elephant Back Incident Grizzly Bears

Ext. doc. occ report [PDF, 658.01 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)

Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)

Author: #650 ROSS, B. **Report time:** 09/17/2015 14:13

Entered by: #650 ROSS, B. **Entered time:** 12/19/2015 07:43

Person:

Address:

Vehicle:

Officer:

Remarks: Author: Kerry Gunther 6 - Elephant_Back_Incident_BlackBears

Ext. doc. occ report [PDF, 1.33 MB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)

Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)

Author: #650 ROSS, B. **Report time:** 10/15/2015 10:47

Entered by: #650 ROSS, B. **Entered time:** 12/19/2015 07:44

Person:

Address:

Vehicle:

Officer:

Remarks: Author: Kerry Gunther 6 - Incident Site Area Closure map

Ext. doc. occ report [PDF, 137.79 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)

Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)

Author: #650 ROSS, B. **Report time:** 08/21/2015 11:35

Entered by: #650 ROSS, B. **Entered time:** 12/19/2015 07:46

Person:
 Address:
 Vehicle:
 Officer:
 Remarks: Author: Kerry Gunther 6 - Necropsy Elephant Back Sow

Ext. doc. occ report [PDF, 252.15 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)
 Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892
 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00)
 @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #650 ROSS, B. Report time: 10/20/2015 13:30
 Entered by: #650 ROSS, B. Entered time: 12/19/2015 07:46
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: Author: Kerry Gunther 6-1 - CrosbyFatality_BodyLocation

Ext. doc. occ report [PDF, 129.04 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)
 Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892
 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00)
 @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #650 ROSS, B. Report time: 09/04/2015 16:58
 Entered by: #650 ROSS, B. Entered time: 12/19/2015 07:48
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: Author: Kerry Gunther 6-1 - CrosbyFatality_Evidence Map

Ext. doc. occ report [PDF, 1.83 MB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)
 Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892
 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00)
 @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #650 ROSS, B. Report time: 10/15/2015 13:44
 Entered by: #650 ROSS, B. Entered time: 12/19/2015 07:49
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: Author: Kerry Gunther 6-1 - Fatality sketch diagram_DNAlabels (1)

Ext. doc. occ report [PDF, 18.91 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)
 Task: T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892
 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00)
 @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #650 ROSS, B. Report time: 10/15/2015 13:38
 Entered by: #650 ROSS, B. Entered time: 12/19/2015 07:51
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: 7 - Crosby Driver's License

Ext. doc. occ report [PDF, 67.76 KB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby

Task: SAR)
 T150454255 [Appr NR - Closed] Due: 12/17/2015 12:31 #650 ROSS, B. ->#892
 SCHWARTZ, B. [Low] Supervisory Approval NP15108913 Missing Person (NPS-92-00-00)
 @08/07/2015 08:59 MDT (YELL LAKE Crosby SAR)
 Author: #650 ROSS, B. Report time: 10/15/2015 13:23
 Entered by: #650 ROSS, B. Entered time: 12/19/2015 07:52
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: 7 - Crosby Property Receipt

Ext. doc. occ report [PDF, 1.88 MB]:

Incident: NP15108913 Missing Person (NPS-92-00-00) @08/07/2015 08:59 (YELL LAKE Crosby SAR)
 Task:
 Author: #892 SCHWARTZ, B. Report time: 01/05/2016 10:16
 Entered by: #892 SCHWARTZ, B. Entered time: 01/05/2016 10:16
 Person:
 Address:
 Vehicle:
 Officer:
 Remarks: NPS SAR report - CROSBY-Final



YELLOWSTONE NATIONAL PARK

SEARCH INCIDENT ORGANIZER

INCIDENT NAME:		Crosby SAR	
Initial Report -		Date: 08/07/2015	Time: 0910
Initial Planning Point (IPP) Location (WGS84) -		Lat: 44.550973°	Long: -110.394684°
Incident Command Post (ICP) Location -		Lake Ranger Station	
INCIDENT COMMANDER DOCUMENTATION:			
Name: Brad Ross		Date: 08/07/2015	Time: 1000
Name:		Date:	Time:
THUMBNAIL SKETCH (INITIAL REPORT)			
Lost Person Questionnaires inside			
Subject Name: Lance Crosby		Race: White	Gender: Male
Age: 63	Ht: 5-10	Wt: 190	Hair: Gray Eyes: Brown
Clothing: Khaki pant Long sleeve multi colored plaid shirt			
Circumstances: Told friends and wife he intended to hike Elephant Back on 8/6.			
Cell phone # and carrier: N/A—		More than one subject? No	

Communicate regularly with dispatch (700 and/or 700F)

INITIAL SEARCH ACTIONS-- Assign Command, Operations, and Investigations

Consider all-- may be concurrent. Do not have to be implemented in order.

1. Investigation

- ☒ Notify dispatch: Incident Commander, contact number, incident command post
- ☒ Develop "Thumbnail Sketch": Physical description, circumstances, photo, cell phone and carrier.
- ☐ Determine initial planning point (IPP) and direction of travel (protect IPP).
- ☒ Calculate search urgency-- determine strategy (passive and/or active).
- ☒ Assure notification are made. District Ranger, 700F, CRO.
- ☒ Broadcast BOLO, create and disseminate info flyer (if subject is a minor, this becomes even higher priority).
- ☐ Conduct in-depth interviews, est. *Investigations Unit*, continue investigation.
- ☒ Move ICP to suitable location for communications, computer access, and resources.
- ☐ Fill out IC positions as needed.

2. Containment

- ☐ Review and consider Lost Person Behavior.
- ☐ Operational Containment-- Road/trail blocks, patrols, trailheads, travel aids, track traps, lookouts, attraction techniques.
- ☒ Investigative Containment-- Transportation options, residences, lodging, texts, voice mail, email, social media.

3. Search

Consider rapid deployment of hasty team(s)

- ☐ Personnel accountability in place prior to deployment (check-in).
- ☐ Provide up-to-date and thorough briefing with risk management considerations.
- ☐ Adequate personnel preparedness for assignment (each team with GPS)
- ☐ Focus on high probability areas (e.g. travel aids, attractive hazards)
- ☐ Review and consider Lost Person Behavior-- Use appropriate tactics for subject (e.g. responsive, unresponsive or evasive).

Additional

- ☐ Continue with *Search MAP*
- ☐ Document everything. Begin work in *Win CAS/E* early in operation.
- ☐ Arrange for check-in, resource tracking.
- ☒ Request resources through dispatch.
- ☒ Fill additional ICS positions.
- ☐ Consider: move into extended ops, plan for next operational period.

Review/revisit all checked boxes!

URGENCY RATING CHART- #1 Time/Date: 0910 / 08-07-2015

Factors	Rating
AGE OF SUBJECT	
Very Young	1
Very Old	1
Other	2-3
MEDICAL CONDITION OF SUBJECT:	
Known/Suspected injured, ill, or mental problem	1-2
Healthy	3
Known fatality	3
NUMBER OF SUBJECTS	
One alone	1
More than one (unless separated)	2-3
SUBJECT EXPERIENCE PROFILE	
Not experience, does not know area	1
Not experienced, knows area	1-2
Experienced, not familiar with area	2
Experienced, knows area	3
WEATHER PROFILE	
Past and/or existing hazardous weather	1
Predicted hazardous weather (less than 8 hrs)	1-2
Predicted hazardous weather (more than 8 hrs)	2
No hazardous weather predicted	3
EQUIPMENT PROFILE	
Inadequate for environment and weather	1
Questionable for environment and weather	1-2
Adequate for environment and weather	3
TERRAIN/HAZARDS PROFILE	
Known hazardous terrain or other hazards	1
Few or no hazards	2-3
TOTAL: (between 7 and 21)	15

7	14	21
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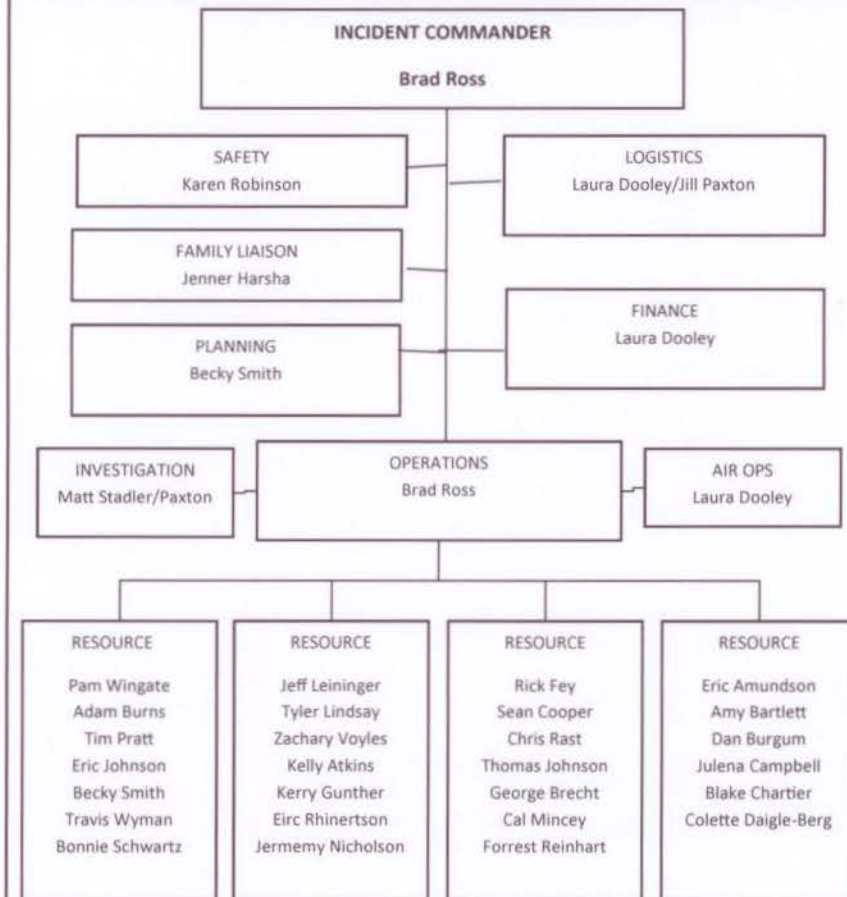
Highest Urgency Intermediate Urgency Lowest Urgency

Note: The lower the numerical rating, the higher the relative emergency. All ratings are relative and the total from the chart indicates only a possible relative urgency. All other factors bearing on the incident need to be evaluated by the Incident Commander to establish the final emergency level.

INCIDENT OBJECTIVES

1. Provide for Searcher and Public Safety
2. Locate the subject
3. Provide for the subjects needs
- 4.

INCIDENT ORGANIZATION



RISK MANAGEMENT

NATIONAL PARK SERVICE RISK TOLERANCE PRINCIPLES

Accept No Unnecessary Risk

Make Risk Decisions at the Appropriate Level

Accept Risk When Benefits Outweigh Costs

Integrate Operational Risk Management into....Planning At All Levels

GAR- Use for general assessment of risk

GAR Operational Risk Management Assessment		
Rate 1-10 → Any category rated > 5 should receive specific mitigation		
1. Supervision	Qualified, effective, accessible? Clear chain of command? Appropriate span of control ratio?	
2. Planning	Information available & clear, adequate time to plan? SOPs & JHAs? Team briefed & input solicited?	
3. Team Selection	Level of training and experience? Cohesiveness & attitude? Prone to skill error; complacency error?	
4. Team Fitness	Physical & mental state of the team? Consider rest, fatigue, morale, outside distractions.	
5. Communication	Communications equipment, infrastructure & dispatch? Interpersonal communications of team?	
6. Contingency Resources	MOU's and pre-plans in place? Shared communications plan? Response time?	
7. Environment	Time of day, weather, topography, approach & access, fuel load, urban challenges, chemicals?	
8. Incident Complexity	Exposure time, environment stable? Potential for taxing staff? Multiple tasks? Sense of urgency?	
Green (8-35)	Amber (36-60)	Red (61-80)

SPE- Use for risk from a specific threat

SEVERITY × PROBABILITY × EXPOSURE SPE (for assessing risk of injury)		
SEVERITY	PROBABILITY	EXPOSURE
1. Insignificant	1. Rare	1. Below average
2. Minor	2. Unlikely	2. Average
3. Moderate	3. Possible	3. Above average
4. Major	4. Likely to occur	4. Great
5. Catastrophic	5. Frequent, very likely to happen	
VALUES	RISK LEVEL	ACTION
80-100	Very High	Discontinue / Stop
60-79	High	Immediate Correction
40-59	Substantial	Correction Required
20-39 27	Possible	Attention Needed / Proceed w Caution
1-19	Slight	Proceed / Possibly Acceptable

(both models are from the NPS Operational Leadership Program)

RESOURCES NEEDED
(transfer to ICS 214 on next page when ordered)

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(transfer to ICS 214 on next page when ordered)

[illegible]

ICS 214 - Resource Summary

(Che

Resource Ordered	Time Ordered	Resource Assigned	Time On Scene	Location
Incident Commander	1000	Brad Ross	1000	Lake Ranger Station
Plans	1015	Becky Smith	1130	Mammoth Fire Camp
Investigation	0900	Jill Paxton	0908	Clinic Apartment
Investigation Lead	1015	Matt Stadler	1137	Lake Ranger Station
Vessel with Operator	1030	Rick Fey	1137	Bridge Bay to Fish
Logistics	1031	Laura Dooley	1031	Mammoth Fire District
Safety	1031	Karen Robinson	1115	Lake Ranger Station
Emergency Medical	1115	Adam Burns	1115	Lake Ranger Station
Ground searchers	1030			

(Check work/rest status, clock starts at time duty day starts)

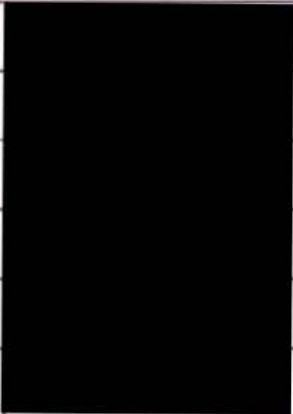
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COMMUNICATIONS

Radio Channels

CHANNEL	FUNCTION	RX REQ/TONE	TX FREQ/TONE
Topnotch	All comms		

Telephone Numbers

Comm Center 700– North		
Comm Center 700– South		
Comm Center 700– West		
Fire/Aviation Dispatch– 700F		
Medical Control– EIRMC		
Lake Ranger Station		

B.O.L.O. # 15-31
Requestor: 7L32
Reason: Missing Person
Date: 08/07/15

NAME	DOB	HEIGHT	WEIGHT	HAIR	EYES	OTHER
CROSBY, Lance	1952/01/28	5'10"	190'	Gry	Bro	

MAKE	Model	Color	Year	Plate	State	R.O.

If Lance is spotted please stop, welfare check and contact the comm center.



Cancel email sent to: by:



SAR PERSONNEL TIME FORM



SAR Name:	Crosby				Date:	8/7/2015		
Case #:	NP15108913				IC:	Ross, Brad		
RESOURCE NAME	Seas/AD/ Perm	GRADE/ AD Rate	INCIDENT TIME	SHIFT TIME	HOURS			TIMEKEEPER
					R	OT	HZ	
Amundson, Eric	Perm	GL 09/05	1800-2230	OFF		4.5		Kim West
Atkins, Kelly	Seas	GS 06/01	1200-2200	0700-1730	5.5	4.5		Darr, Alana
Bartlett, Amy	Perm	GS 06/07	1215-2000	0800-1730	5.25	4.5		Amy Bartlett
Brecht, George	Seas	GS 07/05	1700-2045	1600-0100	3.75			Kim West
Bergum, Dan	Seas	GS 07/01	1200-2400	0700-1730	5.5	6.5		Darr, Alana
Burns, Adam	Seas	GS 07/01	1030-2145	1100-1930	8	2.75		Kim West
Campbell, Julena	Perm	GS 12/04	1200-2000	0800-1700	5	3		Nancy Wilcox, Julena
Chartier, Blake	Perm	GS 07/06	1515-2130	0700-1730	2.25	4	14	Georgia McAdams
Daigle-Berg, Colette	AD - G	IMST	1400-0100			11		Georgia McAdams
Dooley, Laura	Perm	GS 09/03	1000-2200	0700-1730	7	4.5		Georgia McAdams
Fey, Rick	AD	boat	1000-1300			3		Georgia McAdams
Gunther, Kerry	Perm	GS 12/06	1230-0300	0700-1630	4	10.5		Darr, Alana
Hall, Dan	Seas	GS 07/05	1100-2130	OFF		10.5		Kim West
Harsha, Jenner	Perm	GS 06/01	1200-1945	0700-1530	3.5	4.25		Jenner Harsha
Johnston, Eric	Seas	GS 06/01	1200-2300	0700-1730	5.5	6		Darr, Alana
Johnson, Tom	Seas	GS 05/08	1215-1700	1000-1830	4.75			Carrie Lang
Leininger, Jeff	Seas	GS 05/08	1030-2145	0800-1630	8	5.25		Kim West
Lindsay, Tyler	Seas	GS 05/08	1200-2300	1630-0100	6.5	4.5		Kim West
Mincey, Cal	Seas	GS 05/08	1630-2130	1630-0100	5			Kim West
Nicholson, Jermemy	Seas	GS 07/01	1330-2400	OFF		10.5		Darr, Alana
Paxton, Jill	Seas	GS 07/05	0900-2130	0800-1630	9	3.5		Kim West
Pratt, Tim	Seas	GS 07/05	1030-2145	0800-1630	8	5.25		Kim West
Rast, Chris	Seas	GS 07/05	1300-2300	0900-1800	7	5		Carrie Lang
Reinertson, Eric	Perm	GS 09/05	1400-2200	OFF		8		Darr, Alana
Reinhart, Forrest	Seas	GS 04/01	1515-2130	0700-1730	2.25	4	14	Georgia McAdams
Robinson, Karen	Seas	GS 05/01	1030-2130	1100-1930	8	2.5		Kim West
Ross, Brad	Perm	GS 12/05	0900-2400	0800-1630	7	7.5		Kim West
Schwartz, Bonnie	Perm	GS 14/03	1200-2000	1200-1700	5	3		Jen Morey
Smith, Becky	Perm	GS 11/04	1515-2145	OFF		6.5		Georgia McAdams
Stadler, Matthew	Perm	GL 09/01	1000-2130	1630-0100	4	5.75		Kim West
Voyles, Zachary	Seas	GS 06/01	1200-2200	0700-1730	5	4.5		Darr, Alana
Wingate, Pam	Seas	GS 07/01	1200-2130	OFF		9.5		Kim West
Wyman, Travis	Perm	GS 09/07	1300-2400	OFF		11		Darr, Alana
Barb (clinic staff)								
Keira (clinic staff)								
Brown, Deb (clinic staff)								
Dennis (clinic staff)								
Indicates callout	Indicates time for 8/7 and 8/8				FINAL sent to timekeepers and IC on 08/10/15 - LKD			
Account: PX.EYELLS050.00.1								
ver. 060815								

\$ 40.59 \$ 182.66

\$ 25.59 \$ 115.16

\$ 30.72 \$ 138.24

\$ 32.24 \$ -

\$ 28.44 \$ 184.86

\$ 28.44 \$ 78.21

\$ 38.31 \$ 114.93

\$ 33.18 \$ 132.72

\$ 25.64 \$ 282.04

\$ 37.11 \$ 167.00

\$ 3.00

\$ 39.24 \$ 412.02

\$ 32.24 \$ 338.52

\$ 25.59 \$ 108.76

\$ 25.59 \$ 153.54

\$ 28.32 \$ -

\$ 28.32 \$ 148.68

\$ 28.32 \$ 127.44

\$ 28.32 \$ -

\$ 28.44 \$ 298.62

\$ 32.24 \$ 112.84

\$ 32.24 \$ 169.26

\$ 32.24 \$ 161.20

\$ 38.31 \$ 306.48

\$ 20.52 \$ 82.08

\$ 22.97 \$ 57.43

\$ 38.31 \$ 287.33

\$ 50.41 \$ 151.23

\$ 38.31 \$ 249.02

\$ 35.96 \$ 206.77

\$ 25.59 \$ 115.16

\$ 28.44 \$ 270.18

\$ 38.31 \$ 421.41

\$ -

\$ -

\$ -

\$ -

\$ 5,576.75

[illegible]

Sat Aug 08 2015 07:02

SPECIFIC INCIDENT DETAILS

INCIDENT NUMBER : Y080715-26
ENTERED : 08/07/15 08:59:44 BY EDreyer
DISPATCHED : 08/07/15 09:01:23 BY EDreyer
ON SCENE : 08/07/15 09:08:32
COMPLETED : 08/07/15 20:48:58
INCIDENT CODE : MISSING
INCIDENT DESC : Missing Person
PRIORITY : 2
LOCATION : Elephant Back Trailhead
APARTMENT :
BUSINESS : Elephant Back Trailhead
CALLER :
MAP & GRID :

DESK REFERENCE INFORMATION:

COMMENTS:

[20:49:01 dbeattie] CFS Status changed to ARCH by dbeattie.
[20:48:57 dbeattie] CFS Status changed to CMPL by dbeattie.
[20:46:38 dbeattie] Loc changed to Elephant Back Trailhead at 20:46
[20:45:57 ldooley] ALL PARTIES OUT OF BACKCOUNTRY
[20:44:30 ldooley] 3A51 PARTY OF 10 AT BARN, ALL SHOULD BE CLEAR
[20:24:37 ldooley] 7L10 OUT WITH THE FOLKS HE WENT IN WITH, WYMAN +9 ARE 10-20 OUT OF BARN THEN WE'LL GET A HEAD COUNT
[20:23:22 ldooley] 2TC ON GROUND
[20:15:58 ldooley] 2TC AT ARROW CANYON
[20:08:19 ldooley] 2TC GOING TO SPEND NIGHT HELO WILL BE IN MAM DUE TO APPROACHING PUMPKIN
[20:06:59 ldooley] 3A51 ON SCENE WITH OTHER 3, NOW ALL PARTIES ARE HIKING OUT, NO ONE LEFT ON SCENE
[20:03:40 ldooley] FB TO MAMMOTH WITH 3 ON PILOT + CHARTIER AND REINHART
[19:59:43 ldooley] 2TC ON GROUND FB
[19:57:26 ldooley] 2TC ELEPH TO FB WITH DAIGLEBERG AND REINHART
[19:51:51 ldooley] 2TC FB TO ELEPH TO PICK UP 3 PASSENGER, REINHART, DAIGLE-BERG AND 7L30
[19:36:58 ldooley] REINHART TO CHARTIER, READY NOW, SEND HELO UP
[19:29:59 ldooley] REINHART TO CHARTIER, READY IN ABOUT 15MIN
[19:23:32 ldooley] WYMAN, NICHOLSON, REINERTSON, BROYLES HIKING IN
[19:13:37 ldooley] PHX JENNER HARSH OUT OF SERVICE
[18:49:46 ldooley] ADVISED HELIBASE PUMPKIN IS 2110 TONIGHT
[18:23:59 ldooley] 7L10 +2 BACK ON SCENE
[18:22:52 ldooley] ON GROUND FB
[18:20:08 ldooley] ELPH BACK TO FB
[18:16:34 ldooley] FB TO ELEPH BACK
[18:16:28 ldooley] 2TC ENRT BACK TO FB
[18:10:02 ldooley] 3A51 AT FB ENRT BACK TO HS
[18:09:27 ldooley] 2TC FB TO ELEPH
[18:08:44 ldooley] 7L10 MET UP WITH 2 NOW ALL HIKING TO SCENE
[18:01:23 ldooley] 2TC OFF GROUND TO FB
[17:58:46 ldooley] 2TC ON GROUND HS
[17:54:32 ldooley] 2TC OFF FB 4 ON 2 HOURS ELEPHANT BACK TO DROP 3
[17:47:03 ldooley] 7L10 HIKING BACK IN TO SCENE, TWO FROM SCENE WILL MEET HIM BEFORE HE ENTERS HIGH RISK AREA
[17:14:01 dbeattie] 7L20 7L32 CLEAR CONTACT
[16:51:38 ldooley] 3L50 2TC ON GROUND FISHING BRIDGE
[16:48:40 ldooley] 2TC AND L33 TALKING ABOUT WHERE TO PUT BEAR TRAP
[16:43:25 ldooley] 2TC ON TOP NOTCH
[16:40:27 ldooley] 2TC CANYON LZ
[16:35:49 ldooley] 4A30 AT LAKE GOVT AREA, ADVISED TO MEET 7L30 AT LAKE FIRE STATION
[16:35:07 ldooley] 7L33 ALL 10 4
[16:31:05 ldooley] 7L10 ADVISED
[16:29:36 ldooley] 2TC OFF MAM 3 ON 2 HRS
[16:28:33 dbeattie] 7L10 7L32 MAKING NOTIFICATIONS
[16:17:31 ldooley] 7L10 AND 30 AT TRAILHEAD

[16:17:23 ldooley] 2TC ON GROUND MAMMOTH
 [16:12:41 ldooley] 2TC AT GARD AIRPORT
 [16:12:28 ldooley] GARD AIRPORT
 [16:03:01 ldooley] PHX WITH 7L10, HE AND 7L30 ARE HIKING OUT TO MEET WITH WIFE. 7L33 IS MAIN CONTACT ON SCENE
 [15:59:01 ldooley] 2TC FRIDLEY CREEK TO MAMMOTH
 [15:43:20 ldooley] SMITH IS MAM TO FB
 [15:11:20 ldooley] BONNIE IN EOC OK USE OF HELO
 [15:10:56 ldooley] CARISCH ORDERED LEAVING BOZ IN 10MIN
 [15:07:32 ldooley] PHX 7L10 REQ HELO FOR BEAR TRAP AND BODY REMOVAL
 [14:52:58 ldooley] PHX BRAD ALL GROUPS TOGETHER THEN DROPPED CALL
 [14:40:15 ldooley] PX FROM PJ TO BONNIE, GUNTHER ADVISES THAT FATALITY WAS BEAR CAUSED
 [14:33:32 ldooley] 7L10 10/4
 [14:24:18 ldooley] COLETTE LEAVING GARDINER FOR LAKE
 [14:07:12 ldooley] 7L10 AND 7L33 ALL 10-4 PER 7L33
 [14:06:16 ldooley] 7L10 NO CONT
 [13:42:17 ldooley] 7L10 OFF TRAIL IN ARE L33 IS CONTACT FOR GROUP OFF TRAIL
 [13:06:30 ldooley] SEAN COOPER HAS BEEN ASSIGNED AS FAMILY LIASON, IS AT CANYON ENRT TO LAKE RS PHONE IS [REDACTED]
 [13:03:40 ldooley] 7L10 STARTED ON TRAIL WITH GROUP
 [12:57:54 ldooley] PHX 7L10 - ADDITIONAL PERSONNEL GOING IN 7L34, 3A50, 3A52, 3C50 AND 3L52. ALL GOING IN TOGETHER AND WILL SWEEP TRAIL, MAY SPLIT INTO 2 GROUPS AS THEY LEAVE THE TRAIL, BUT LETHAL WILL BE WITH BOTH GROUPS
 [12:36:16 ldooley] PHX COLETTE DAIGLE-BERG ENRT FROM BOZ, AT REQ OF BONNIE
 [12:31:50 ldooley] PHX 7L10 - 7L10, 7L30, 7L33, 7L37, 7L38, 4L21 WILL BE HIKING IN VIA TRAIL WITH 2 MINI14S AND 2 SHOT GUNS
 [12:30:51 ldooley] PHX 7L10 7L32, 4L20 AND 4L64 WILL BE STAYING AT THE RANGER STATION
 [12:29:11 ldooley] PX GUNTHER AT CANYON ENRT
 [12:29:00 ldooley] PXH GUNTHER ADVISED AT 1220
 [12:18:35 EDreyer] AMY BARTLETT IS WORKING ON LIASON
 [12:15:33 ldooley] 5C32 HEADING DOWN COVER PATROL, CHRIS RAST WILL BE HEADED DOWN FOR DAY
 [12:14:07 ldooley] AT 1204 DAN HALL FOUND A SET OF BOOTS PROTRUDING FROM BEAR BURIAL, BACKING OUT
 [12:06:09 ldooley] BECKY SMITH TEXT - WAS ON THE PHONE WITH BRAD WHEN HE GOT THE CALL THAT THEY FOUND THE BODY
 [11:50:19 ldooley] 7L10 HAS EARL DRESHER AND DAVE WALEY HEADED TO CARCASS DUMP TO DEAL WITH THAT AREA
 [11:49:44 ldooley] PX 7L10 - STAEDLER IS COMING IN FOR INVESTIGATION, LOOKING FOR OPS TYPE PERSON, SMITH WILL HELP WITH PLANS FROM HERE FOR NOW
 [10:54:15 ldooley] SENT TEXT TO CARISCH TO SEE IF HE'S AROUND/AVAIL
 [10:53:54 ldooley] PHX 4L10 - CLINIC STAFF [REDACTED] ARE HIKING ELEPHANT BACK, BARE AND DENN IS CHECKING BEACH FROM RANGER STATION TO FISHING BRIDGE. AD RICK FEY IS TAKING BOAT OUT TO CHECK SHORE FROM BRIDGE BAY TO FISHING BRIDGE.
 [10:31:48 ldooley] TEXT ADVISING CRO SENT AT 1025
 [10:31:28 ldooley] 2 OF 2: BLOCKED OPEN WITH ROCK.
 [10:31:27 ldooley] 1 OF 2: TALKED TO B ROSS (PHX) CROSBY LAST SEEN YESTERDAY AT 1300 +/-, WAS SCHEDULED OFF TODAY BUT HAD SWITCHED WITH ANOTHER EMPLOYEE SO SHOULD HAVE BEEN IN TODAY. DID NOT SHOW UP FOR WORK, CAR IS AT RESIDENCE, RESIDENCE WAS LEFT OPEN AND SCREEN DOOR
 [10:15:46 EDreyer] CACHE ADVISED
 [09:00:36 EDreyer] LANCE CROSBY
 [09:00:13 EDreyer] [REDACTED] BELIEVES ONE OF HER EMPLOYEES MAY BE MISSING
 [08:59:45 EDreyer] Loc changed to Lake Clinic at 08:59

OTHER RESPONDING APPARATUS AND AGENCIES:

UNIT	STATUS	AGENCY	DATE/TIME
4L55	AVAILABLE	YELLOWSTONE NATIONAL PARK	08/07/15 20:48:57
7L37	AVAILABLE	YELLOWSTONE NATIONAL PARK	08/07/15 20:48:57
7L33	AVAILABLE	YELLOWSTONE NATIONAL PARK	08/07/15 20:48:57
7L10	AVAILABLE	YELLOWSTONE NATIONAL PARK	08/07/15 20:48:57
7L32	AVAILABLE	YELLOWSTONE NATIONAL PARK	08/07/15 20:48:57
4L55	ONSCENE	YELLOWSTONE NATIONAL PARK	08/07/15 11:42:21
4L55	ENROUTE	YELLOWSTONE NATIONAL PARK	08/07/15 11:42:19
4L55	DISPATCH	YELLOWSTONE NATIONAL PARK	08/07/15 11:42:17
7L37	ONSCENE	YELLOWSTONE NATIONAL PARK	08/07/15 11:37:23

7L33	ONSCENE	YELLOWSTONE NATIONAL PARK	08/07/15 11:37:22
7L37	ENROUTE	YELLOWSTONE NATIONAL PARK	08/07/15 11:37:21
7L33	ENROUTE	YELLOWSTONE NATIONAL PARK	08/07/15 11:37:21
7L37	DISPATCH	YELLOWSTONE NATIONAL PARK	08/07/15 11:37:14
7L33	DISPATCH	YELLOWSTONE NATIONAL PARK	08/07/15 11:37:14
7L10	ONSCENE	YELLOWSTONE NATIONAL PARK	08/07/15 10:15:34
7L10	ENROUTE	YELLOWSTONE NATIONAL PARK	08/07/15 10:15:33
7L10	DISPATCH	YELLOWSTONE NATIONAL PARK	08/07/15 10:15:29
7L32	ONSCENE	YELLOWSTONE NATIONAL PARK	08/07/15 09:08:32
7L32	ENROUTE	YELLOWSTONE NATIONAL PARK	08/07/15 09:02:01
7L32	DISPATCH	YELLOWSTONE NATIONAL PARK	08/07/15 09:01:23

REQUESTING AGENCIES:

ASSOCIATED PEOPLE:

NAME	ADDRESS	STATE
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ASSOCIATED VEHICLES:

TYPE	COLOR	MAKE	MODEL	YEAR	LICENSE	LIC	YEAR	STATE
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ALERT INFORMATION:

CONTACT	ADDRESS	SUMMARY
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PRIOR INCIDENT INFORMATION:

CFS NUMBER	INC CODE	ADDRESS	APT	DATE/TIME
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Crosby, Lance - 08/07/2015

Employees	Time In	Time Out	Normal Duty Times
Amundson, Eric	1800	2230	LD
Atkins, Kelly	1200	2130	0700-1730
Brecht, George	1700	2045	1600-1
Burns, Adam	1030	2145	1100-1930
Burgum, Dan	12	2300	0700-1730
Cooper, Sean	1430	1530	
Faye, Rick	1000	1300	
Gunther, Kerry		2300	
Hall, Dan	1100	2130	LD
Harsha, Jenner	1130	1430	
Johnson, Eric	1200	2300	0700-1730
Johnson, Tom	1230	1700	1000-1900
Leininger, Jeff	8	2145	8-1630
Lindsay, Tyler	1200	2130	1630-1
Mincey, Cal	1630	2130	1630-1
Nicholson, Jeremy	1330	2300	LD
Paxton, Jill	8	2130	8-1630
Pratt, Tim	8	2145	8-1630
Rast, Chris	1300	2300	0900-1800
Reinertson, Eric	1400	2130	LD
Robinson, Karen	1030	2130	1100-1930
Ross, Brad	8		8-1630
Stadler, Matt	1000	2130	1630-1
Voyles, Zachary	1200	2130	0700-1730
Wingate, Pam	1200	2130	LD
Wyman, Travis	1300	2300	LD

AIRCRAFT CONTRACT DAILY DIARY

CONTRACT #: D13PD00743		ITEM:		PAGE:		DATE: 8/7/2015			
1. CONTRACTOR: Carisch Helicopters Inc				7. DESIGNATED BASE: Manhattan, MT					
2. A/C MAKE/MODEL: Bell 206 L4		FAA tail number: N352TC		8. CURRENT AIRCRAFT LOCATION: YNP					
3. PRIMARY PILOT: Mike Carisch				9. ACTIVITY: FERRY 0.6		TRAINING			
RELIEF PILOT: n/a				LARGE FIRE SUPPORT		S.A.R. 1.6			
				INITIAL ATTACK		PROJECT			
				PRESCRIBED FIRE		NON REVENUE			
4. MECH. ON DUTY: n/a				10. OTHER AIRCRAFT ON BASE: n/a					
5. DRIVER ON DUTY: [REDACTED]				11. WEATHER: Prtly cloudy to mostly cloudy, light breeze					
6. TOTAL#OF CONTRACTOR PERSONNEL: 2				12. FLT Rate: <input type="checkbox"/> SECONDARY					
13. PAY ITEMS	BEGIN	END	TOTAL	EXT	14. SPECIAL ACTIVITIES:	AMOUNT/ #OF FIRES/ #TRAININGS	WEIGHT/ GAL/ ACRES/ #OPERATIONALS		
AVAILABILITY	15:00	21:00	6.00		INITIAL ATTACK FIRES				
FLIGHT TIME	1568.3	1570.5	2.2		PASSENGERS	9			
					WATER				
					INTERNAL CARGO		650		
					EXTERNAL CARGO		1000		
					PLASTIC SPHERE DISPENSER				
					HELI-TORCH				
SERVICE MILES			222.0		CARGO LET-DOWN				
					RAPPEL				
PILOT DUTY	15:00	19:00	4.0	0.0	SHORT-HAUL				
DRIVER DUTY	15:00	23:00	8.0	0.0	SEARCH & RESCUE	1			
					HOVER-STEP				
MECAHNIC DUTY			0.0	0.0					
15. CHARGE CODE BREAK DOWN:									
UNIT ID	CH. CODE	FLT	AV (hours)	EP	EM	ET	SM	PER DIEM	SP. CHARGE
5080	YELLS050	2.2					222	\$258.00	\$1,440.00
16. AIRCRAFT STATUS: (MAINTENANCE PERFORMED, POWER TREND ANALYSIS, REASONS FOR UNAVAILABILITY, ETC)									
17. POWER TREND ANALYSIS		ENGINE#1	ENGINE#2						
18. NARRATIVE REPORT: (INCLUDE PROBLEMS ENCOUNTERED, OFFICAL VISITS OR INSPECTIONS, SAFECOMS, ETC)									
Crosby S.A.R. Flew to bear traps out of fishing bridge to site on Elephant Back Mt. Flew one body out to Fiehing Bridge. Flew 3 passangers in and 2 passangers back out.									
19. PERDIEM: (TOTAL DAILY AMOUNT PAYED TO CONTRACTOR FOR OVERNIGHT OFF DISTRICT ASSIGNMENTS.)									
\$258.00									
20 MISCELLANEOUS COSTS: (CONTRACTOR PURCHASED PERMITS, FEES, TRAVEL, ETC; TO BE REIMBURSED BY GOVT.)									
\$1440 for flight hr. guaranty (GT)									
21. GOVT. REPRESENTATIVE NAME/TITLE (PRINT): Blake Chartier / HMGB					GOVT. REPRESENTATIVE SIGNATURE:			DATE: 8/7/2015	

HELICOPTER DAILY USE COST SUMMARY

LOCATION: Mammoth, WY **DATE:** 8/7/2015 **AIRCRAFT N#:** 352TC
MAKE/MODEL: Bell 206 L4 **MANAGERS NAME:** Blake Chartier
TYPE: III **CONTRACT TYPE:** On Call

CHARGE CODE	FLIGHT TIME	HOURLY RATE	TOTAL	
PX.EYELLS050.00.1	2.2	\$1,800.00	\$3960.00	
				FLT COST TOTAL \$3960.00
CHARGE CODE	AVAILABILITY	RATE (PER DAY)	TOTAL	
				AV COST TOTAL
CHARGE CODE	EXTENDED PILOT	HOURLY RATE	TOTAL	
				EXT PILOT TOTAL
CHARGE CODE	EXTENDED MECH	HOURLY RATE	TOTAL	
				EXT MECH TOTAL
CHARGE CODE	EXTENDED DRIVER	HOURLY RATE	TOTAL	
				EXT DRIVER TOTAL
CHARGE CODE	# CREW MEMBERS	PER DIEM RATE	TOTAL	
PX.EYELLS050.00.1	2	\$129.00	\$258.00	
				PER DIEM TOTAL \$258.00
CHARGE CODE	SERVICE MILES	RATE/MILE	TOTAL	
PX.EYELLS050.00.1	222	\$1.83	\$406.26	
				MILEAGE COST \$406.26
CHARGE CODE	SPECIAL CHARGES	TOTAL		
PX.EYELLS050.00.1	0.8	1800	\$1440.00	
				MISC. COST TOTAL \$1440.00

COMMENTS:

				GRAND TOTAL \$6,064.26
Special Charge is for the 3 hour Guarantee (GT)				
PASSENGERS TRANSPORTED	LBS CARGO DELIVERED	GALLONS WATER	GALLONS RETARDENT	GALLONS FOAM
9	1650			

AIRCRAFT CONTRACT DAILY DIARY

CONTRACT #: D13PD00743		ITEM:		PAGE:		DATE: 8/8/2015			
1. CONTRACTOR: Carisch Helicopters, Inc.				7. DESIGNATED BASE: Manhattan, MT					
2. A/C MAKE/MODEL: Bell 206 L4		FAA tail number: N352TC		8. CURRENT AIRCRAFT LOCATION: Mammoth, WY					
3. PRIMARY PILOT: Mike Carisch RELIEF PILOT: n/a				9. ACTIVITY: FERRY 0.6 LARGE FIRE SUPPORT INITIAL ATTACK PRESCRIBED FIRE		TRAINING S.A.R. PROJECT NON REVENUE			
4. MECH. ON DUTY: n/a				10. OTHER AIRCRAFT ON BASE:					
5. DRIVER ON DUTY: [REDACTED]				11. WEATHER:					
6. TOTAL#OF CONTRACTOR PERSONNEL: 2				12. FLT Rate: <input type="checkbox"/> SECONDARY					
13. PAY ITEMS	BEGIN	END	TOTAL	EXT	14. SPECIAL ACTIVITIES:	AMOUNT/ #OF FIRES/ #TRAININGS	WEIGHT/ GAL/ ACRES/ #OPERATIONALS		
AVAILABILITY	9:00	17:00	8.00		INITIAL ATTACK FIRES				
FLIGHT TIME	1570.5	1571.1	0.6		PASSENGERS				
					WATER				
					INTERNAL CARGO				
					EXTERNAL CARGO				
					PLASTIC SPHERE DISPENSER				
					HELI-TORCH				
SERVICE MILES			109.0		CARGO LET-DOWN				
					RAPPEL				
PILOT DUTY	9:00	17:00	8.0	0.0	SHORT-HAUL				
DRIVER DUTY	9:00	18:00	9.0	0.0	SEARCH & RESCUE				
					HOVER-STEP				
MECAHNIC DUTY			0.0	0.0					
15. CHARGE CODE BREAK DOWN:									
UNIT ID	CH. CODE	FLT	AV (hours)	EP	EM	ET	SM	PER DIEM	SP. CHARGE
5080	/ PPMRSI	0.6					109		\$4,320.00
16. AIRCRAFT STATUS: (MAINTENANCE PERFORMED, POWER TREND ANALYSIS, REASONS FOR UNAVAILABILITY, ETC)									
17. POWER TREND ANALYSIS		ENGINE#1	ENGINE#2						
18. NARRATIVE REPORT: (INCLUDE PROBLEMS ENCOUNTERED, OFFICAL VISITS OR INSPECTIONS, SAFECOMS, ETC)									
No flights on S.A.R. today. Released to return home at 1630. All flight expenses related to this incident now being charged to Bear Management.									
19. PERDIEM: (TOTAL DAILY AMOUNT PAYED TO CONTRACTOR FOR OVERNIGHT OFF DISTRICT ASSIGNMENTS.)									
20 MISCELLANEOUS COSTS: (CONTRACTOR PURCHASED PERMITS, FEES, TRAVEL, ETC; TO BE REIMBURSED BY GOVT.) \$4320.00									
21. GOVT. REPRESENTATIVE NAME/TITLE (PRINT): Blake Chartier HMGB					GOVT. REPRESENTATIVE SIGNATURE:			DATE: 8/8/2015	

HELICOPTER DAILY USE COST SUMMARY

LOCATION: Mammoth, WY **DATE:** 8/8/2015 **AIRCRAFT N#:** N352TC
MAKE/MODEL: Bell 206 L4 **MANAGERS NAME:** Blake Chartier
TYPE: III **CONTRACT TYPE:** On Call

CHARGE CODE	FLIGHT TIME	HOURLY RATE	TOTAL	
PPIMYELL83 / PPMRSNR1Z.AM0000	0.6	\$1,800.00	\$1080.00	
				FLT COST TOTAL \$1080.00
CHARGE CODE	AVAILABILITY	RATE (PER DAY)	TOTAL	
				AV COST TOTAL
CHARGE CODE	EXTENDED PILOT	HOURLY RATE	TOTAL	
				EXT PILOT TOTAL
CHARGE CODE	EXTENDED MECH	HOURLY RATE	TOTAL	
				EXT MECH TOTAL
CHARGE CODE	EXTENDED DRIVER	HOURLY RATE	TOTAL	
				EXT DRIVER TOTAL
CHARGE CODE	# CREW MEMBERS	PER DIEM RATE	TOTAL	
		\$129.00		
				PER DIEM TOTAL
CHARGE CODE	SERVICE MILES	RATE/MILE	TOTAL	
PPIMYELL83 / PPMRSNR1Z.AM0000	109	\$1.83	\$199.47	
				MILEAGE COST \$199.47
CHARGE CODE	SPECIAL CHARGES		TOTAL	
PPIMYELL83 / PPMRSNR1Z.AM0000			\$4320.00	
				MISC. COST TOTAL \$4320.00

COMMENTS:

				GRAND TOTAL \$5,599.47
GT = 2.4 hrs. = \$4320.00 = the Special Charge				
PASSENGERS TRANSPORTED	LBS CARGO DELIVERED	GALLONS WATER	GALLONS RETARDENT	GALLONS FOAM

AIRCRAFT CONTRACT DAILY DIARY

CONTRACT #: D13PD00743		ITEM:		PAGE:		DATE: 8/10/2015			
1. CONTRACTOR: Carisch Helicopters, Inc.				7. DESIGNATED BASE: Manhattan, MT					
2. A/C MAKE/MODEL: Bell 206 L4		FAA tail number: N352TC		8. CURRENT AIRCRAFT LOCATION: Mammoth, WY					
3. PRIMARY PILOT: Mike Carisch RELIEF PILOT: n/a				9. ACTIVITY: FERRY LARGE FIRE SUPPORT INITIAL ATTACK PRESCRIBED FIRE					
4. MECH. ON DUTY: n/a				10. OTHER AIRCRAFT ON BASE: N/A					
5. DRIVER ON DUTY: [REDACTED]				11. WEATHER:					
6. TOTAL#OF CONTRACTOR PERSONNEL: 2				12. FLT Rate: <input type="checkbox"/> SECONDARY					
13. PAY ITEMS	BEGIN	END	TOTAL	EXT	14. SPECIAL ACTIVITIES:	AMOUNT/ #OF FIRES/ #TRAININGS	WEIGHT/ GAL/ ACRES/ #OPERATIONALS		
AVAILABILITY	8:00	15:00	7.00		INITIAL ATTACK FIRES				
FLIGHT TIME	1571.1	1573.7	2.6		PASSENGERS	10			
					WATER				
					INTERNAL CARGO		300		
					EXTERNAL CARGO		1600		
					PLASTIC SPHERE DISPENSER				
					HELI-TORCH				
SERVICE MILES			324.0		CARGO LET-DOWN				
					RAPPEL				
PILOT DUTY	8:00	15:00	7.0	0.0	SHORT-HAUL				
DRIVER DUTY	8:00	18:00	1.0	0.0	SEARCH & RESCUE				
MECAHNIC DUTY				0.0	HOVER-STEP				
15. CHARGE CODE BREAK DOWN:									
UNIT ID	CH. CODE	FLT	AV (hours)	EP	EM	ET	SM	PER DIEM	SP. CHARGE
5080	PPMRSN	2.6				1.0	324		\$720.00
16. AIRCRAFT STATUS: (MAINTENANCE PERFORMED, POWER TREND ANALYSIS, REASONS FOR UNAVAILABILITY, ETC)									
17. POWER TREND ANALYSIS		ENGINE#1	ENGINE#2						
18. NARRATIVE REPORT: (INCLUDE PROBLEMS ENCOUNTERED, OFFICAL VISITS OR INSPECTIONS, SAFECOMS, ETC)									
Sumoned for the Crosby S.A.R. Flew Pax into site. Flew one Bear trap & bear out, flew 2 traps in. All flight expenses now being charged to Bear Management.									
19. PERDIEM: (TOTAL DAILY AMOUNT PAYED TO CONTRACTOR FOR OVERNIGHT OFF DISTRICT ASSIGNMENTS.)									
20 MISCELLANEOUS COSTS: (CONTRACTOR PURCHASED PERMITS, FEES, TRAVEL, ETC; TO BE REIMBURSED BY GOVT.) \$720.00									
21. GOVT. REPRESENTATIVE NAME/TITLE (PRINT): Blake Chartier HMGB					GOVT. REPRESENTATIVE SIGNATURE:			DATE: 8/10/2015	

HELICOPTER DAILY USE COST SUMMARY

LOCATION: Mammoth, WY **DATE:** 8/10/2015 **AIRCRAFT N#:** N352TC
MAKE/MODEL: Bell 206 L4 **MANAGERS NAME:** Blake Chartier
TYPE: III **CONTRACT TYPE:** Exclusive

CHARGE CODE	FLIGHT TIME	HOURLY RATE	TOTAL	
PPIMYELL83PPMRSNR1Z.AM0000	2.6	\$1,800.00	\$4680.00	
				FLT COST TOTAL \$4680.00
CHARGE CODE	AVAILABILITY	RATE (PER DAY)	TOTAL	
				AV COST TOTAL
CHARGE CODE	EXTENDED PILOT	HOURLY RATE	TOTAL	
				EXT PILOT TOTAL
CHARGE CODE	EXTENDED MECH	HOURLY RATE	TOTAL	
				EXT MECH TOTAL
CHARGE CODE	EXTENDED DRIVER	HOURLY RATE	TOTAL	
PPIMYELL83PPMRSNR1Z.AM0000	1.0	\$32.00	\$32.00	
				EXT DRIVER TOTAL \$32.00
CHARGE CODE	# CREW MEMBERS	PER DIEM RATE	TOTAL	
				PER DIEM TOTAL
CHARGE CODE	SERVICE MILES	RATE/MILE	TOTAL	
PPIMYELL83PPMRSNR1Z.AM0000	324	\$1.83	\$592.92	
				MILEAGE COST \$592.92
CHARGE CODE	SPECIAL CHARGES	TOTAL		
PPIMYELL83PPMRSNR1Z.AM0000		\$720.00		
				MISC. COST TOTAL \$720.00

COMMENTS: Special Charge is for the Guarenteed Flight time = .4hr X \$1800 = \$720.

				GRAND TOTAL \$6,024.92
PASSENGERS TRANSPORTED	LBS CARGO DELIVERED	GALLONS WATER	GALLONS RETARDENT	GALLONS FOAM
10	1900			

AIRCRAFT CONTRACT DAILY DIARY

CONTRACT #: D13PD00743		ITEM:		PAGE:		DATE: 8/11/2015									
1. CONTRACTOR: Carisch Helicopters				7. DESIGNATED BASE: Manhattan, MT											
2. A/C MAKE/MODEL: Bell 206 L4		FAA tail number: N352TC		8. CURRENT AIRCRAFT LOCATION: AIRCRAFT OFF DISTRICT?		YELL <input checked="" type="checkbox"/> YES									
3. PRIMARY PILOT: Mike Carisch RELIEF PILOT: n/a				9. ACTIVITY: FERRY LARGE FIRE SUPPORT INITIAL ATTACK PRESCRIBED FIRE		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>TRAINING</td><td></td></tr> <tr><td>S.A.R</td><td style="text-align: center;">X</td></tr> <tr><td>PROJECT</td><td></td></tr> <tr><td>NON REVENUE</td><td></td></tr> </table>		TRAINING		S.A.R	X	PROJECT		NON REVENUE	
TRAINING															
S.A.R	X														
PROJECT															
NON REVENUE															
4. MECH. ON DUTY: n/a				10. OTHER AIRCRAFT ON BASE:											
5. DRIVER ON DUTY: [REDACTED]				11. WEATHER:											
6. TOTAL#OF CONTRACTOR PERSONNEL: 2				12. FLT Rate: <input type="checkbox"/> SECONDARY											
13. PAY ITEMS	BEGIN	END	TOTAL	EXT	14. SPECIAL ACTIVITIES:	AMOUNT/ #OF FIRES/ #TRAININGS	WEIGHT/ GAL/ ACRES/ #OPERATIONALS								
AVAILABILITY	9:00	18:00	9.00		INITIAL ATTACK FIRES										
FLIGHT TIME	1573.7	1576.0	2.3		PASSENGERS	4									
					WATER										
					INTERNAL CARGO										
					EXTERNAL CARGO		900								
					PLASTIC SPHERE DISPENSER										
					HELI-TORCH										
SERVICE MILES			218.0		CARGO LET-DOWN										
					RAPPEL										
PILOT DUTY	9:00	18:00	9.0	0.0	SHORT-HAUL										
					SEARCH & RESCUE										
DRIVER DUTY	9:00	18:00	9.0	0.0	HOVER-STEP										
MECAHNIC DUTY	9:00	18:00	9.0	0.0											
15. CHARGE CODE BREAK DOWN:															
UNIT ID	CH. CODE	FLT	AV (hours)	EP	EM	ET	SM	PER DIEM	SP. CHARGE						
8050	PPIMYE	2.3					219	\$0.00							
16. AIRCRAFT STATUS: (MAINTENANCE PERFORMED, POWER TREND ANALYSIS, REASONS FOR UNAVAILABILITY, ETC)															
17. POWER TREND ANALYSIS		ENGINE#1	ENGINE#2												
18. NARRATIVE REPORT: (INCLUDE PROBLEMS ENCOUNTERED, OFFICAL VISITS OR INSPECTIONS, SAFECOMS, ETC)															
Ferry to and from home base in Manhattan, MT to YELL for extrication of three bear traps with two bear cubs. Diary does not reflect 3 hour guarantee that will be paid to contractor via CWN contract.															
19. PERDIEM: (TOTAL DAILY AMOUNT PAYED TO CONTRACTOR FOR OVERNIGHT OFF DISTRICT ASSIGNMENTS.)															
20 MISCELLANEOUS COSTS: (CONTRACTOR PURCHASED PERMITS, FEES, TRAVEL, ETC; TO BE REIMBURSED BY GOVT.)															
21. GOVT. REPRESENTATIVE NAME/TITLE (PRINT): Ryan Tripp					GOVT. REPRESENTATIVE SIGNATURE:			DATE: 8/11/2015							

HELICOPTER DAILY USE COST SUMMARY

LOCATION: YELL **DATE:** 8/11/2015 **AIRCRAFT N#:** N352TC
MAKE/MODEL: Bell 206 L4 **MANAGERS NAME:** Ryan Tripp
TYPE: III **CONTRACT TYPE:** CWN

CHARGE CODE	FLIGHT TIME	HOURLY RATE	TOTAL	
YELL83 / PPMRSNR1Z.AM0000	2.3	\$1,800.00	\$4140.00	
				FLT COST TOTAL \$4140.00
CHARGE CODE	AVAILABILITY	RATE (PER DAY)	TOTAL	
				AV COST TOTAL
CHARGE CODE	EXTENDED PILOT	HOURLY RATE	TOTAL	
				EXT PILOT TOTAL
CHARGE CODE	EXTENDED MECH	HOURLY RATE	TOTAL	
				EXT MECH TOTAL
CHARGE CODE	EXTENDED DRIVER	HOURLY RATE	TOTAL	
				EXT DRIVER TOTAL
CHARGE CODE	# CREW MEMBERS	PER DIEM RATE	TOTAL	
				PER DIEM TOTAL
CHARGE CODE	SERVICE MILES	RATE/MILE	TOTAL	
YELL83 / PPMRSNR1Z.AM0000	219	\$1.83	\$400.77	
				MILEAGE COST \$400.77
CHARGE CODE	SPECIAL CHARGES	TOTAL		
PPMRSNR1Z.AM0000	0.7	1800	\$1260.00	
				MISC. COST TOTAL \$1260.00

COMMENTS:

				GRAND TOTAL \$5,800.77
Special Charge is for the hourly guaranty (GT)				
PASSENGERS TRANSPORTED	LBS CARGO DELIVERED	GALLONS WATER	GALLONS RETARDENT	GALLONS FOAM
4	900			

Forensic Evidence—Human Fatality on Elephant Back Mountain, Yellowstone National Park on August 6, 2015

Prepared by

Kerry Gunther, Wildlife Biologist (Bears)
Yellowstone National Park

October 16, 2015

Incident Summary

On August 7, 2015 at 1201, Lance Crosby, a 63-year old male from Billings, Montana was found dead during a Search and Rescue (SAR) hasty-team search of the Elephant Back Trail area (Figure 1). Mr. Crosby was a summer seasonal employee working for Medcor at the Lake Clinic at Lake Village, Yellowstone National Park. The summer of 2015 was Mr. Crosby's fifth summer working for Medcor at the Lake Village facility. Mr. Crosby's wife and friends stated that he was an experienced hiker who loved Yellowstone National Park, enjoyed exploring, and had a strong interest in bears. Mr. Crosby was last seen alive by co-workers between 1100 and 1200 on Thursday August 6 at the Lake Clinic wearing a brightly colored plaid shirt; he was reported missing at approximately 0901 on August 7, after he did not show up for his 0800 work shift. SAR hasty-team foot searches were initiated along the Yellowstone Lake beach from the Lake Ranger Station to Fishing Bridge Junction, the Natural Bridge Road, and the Elephant Back Loop Trail; three of Mr. Crosby's favorite local trails he frequently hiked. A search of the beach and shoreline of Yellowstone Lake by boat from Bridge Bay to Fishing Bridge was also launched. Mr. Crosby's body was found at 1201 during the hasty-team search of the Elephant Back Trail area. His body had been cached by a carnivore on a ridge 0.46 kilometers (km; 0.29 miles) from the upper end of the Elephant Back Trail (Figure 2). The body was located 1.12 km (0.7 miles) from the Lake Village water-tank/cell tower service road and 1.42 km (0.89 miles) straight-line distance from the Lake Government housing area. The ranger that found the body saw a pair of boots protruding from a carnivore burial cache. For safety, the ranger immediately backed-out of the area and an investigative team consisting of law enforcement rangers, bear management personnel, and medical personnel was formed. At this time, the search became a body recovery and cause of mortality investigation. To preserve evidence and promote visitor safety, the Elephant Back trail and Elephant Back Mountain area were immediately closed to public access (Figure 3).

At 1304 the investigative team began hiking to the site, clearing all hikers from the trail as they went. At 1342, the investigative team reached Elephant Back ridge, left the trail, and began heading northeast toward the body burial cache site. Visibility was relatively poor due to forest cover. As the team approached the body cache site, a bear cub or cubs barked/bawled three to four times and an adult bear with a light brown rump and dark brown legs was observed running away from the burial cache. The victim was found face down on his stomach with his left arm under his chest and his left leg crossed over the calf of his right leg (Figure 4). The body had

been covered with dirt, duff, rocks, grass, sticks, and pine needles typical of the manner in which grizzly bears, black bears, and mountain lions cache animal carcasses for further scavenging. Mr. Crosby was wearing leather hiking boots, long pants of a light weight canvas material, and a brightly colored, long-sleeved, button down, collared, plaid shirt over a t-shirt. Sunglasses hung from a strap around his neck and a ball cap was found near his body approximately 0.9 meters (3 feet) from his left foot. The only other potential personal possession found at the scene was an old electronics vacuum tube located on the top of the burial cache approximately 0.8 meters (2.5 feet) below Mr. Crosby's feet (Figure 5). Vacuum tubes largely disappeared from use in the 1960's after the invention of silicon transistors. It could not be determined if the vacuum tube had fallen out of Mr. Crosby's pocket, or if it had been dug up from the soil as the body was being cached. However, the vacuum tube did not have the appearance (corrosion, soiling, etc.) of one that had been buried or exposed to the elements for a long period of time. Although the area was thoroughly searched, no camera, cell phone, pack, water bottle, or bear spray were found at the burial cache or the surrounding area. The body had been partially consumed and exhibited canine bite wounds and other injuries consistent with a bear attack. There were defensive (blocking type) wounds on Mr. Crosby's right arm and both hands. Bruising associated with some wounds on the arms, hands, head, face, shoulders, and upper back indicated that Mr. Crosby was alive at the time these wounds were inflicted. Tracks of an adult female grizzly bear and cub(s) were found next to the body and in daybeds near the body. Grizzly bear hair was found on the body, in the hinge on the stem of Mr. Crosby's sunglasses, in the burial cache dirt/duff pile covering the body, on a bloody rock next to the body, and in bear daybeds near the body. The canine width distance of puncture wounds inflicted on Mr. Crosby while he was alive were consistent with those of an adult female grizzly, subadult male grizzly, or large adult male black bear. The width of the canine puncture wounds were too small to have been inflicted by an adult male grizzly bear and too large to have been inflicted by a mountain lion, wolf, coyote, or an adult female or subadult male or female black bear. The incident scene was compact and remarkably free of human-related evidence (boot tracks, blood spatter, clothing fragments, personal possessions), except at the burial cache. There were no drag trails, bear trails, disturbed ground indicating an attack path, flight or a struggle, blood spatter, clothing fragments, or personal possessions found outside of the body burial cache. The absence of a clear attack path and blood spatter trail combined with Mr. Crosby's ball cap being found within 3 feet of his left foot suggests that the initial contact by the bear occurred at the location where the body was found. The only evidence found outside of the burial cache were bear scats, bear feeding sites (mushroom digs), and bear daybeds with associated bear tracks and hair. At 1957, after the incident scene investigation had been completed, the body was flown out by helicopter and two bear traps were flown in and set 9.4 meters (10.3 yards) from the body burial cache. The body was further examined at the Lake Clinic to measure canine bite wounds and to collect bear hair and bite wound saliva for DNA analysis.

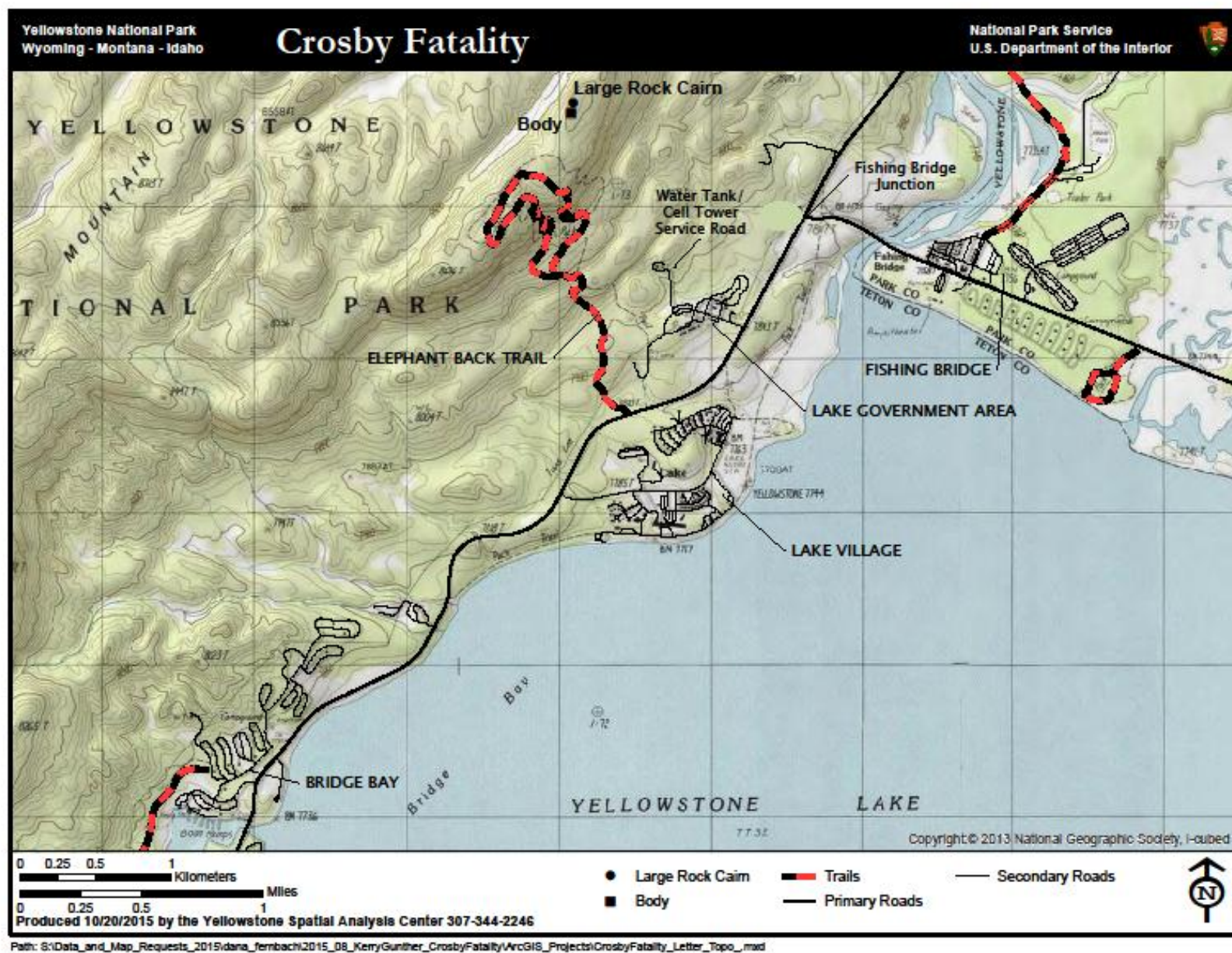


Figure 1. Overview of Crosby fatality site, Elephant Back Mountain, Yellowstone National Park, on August 7, 2015.

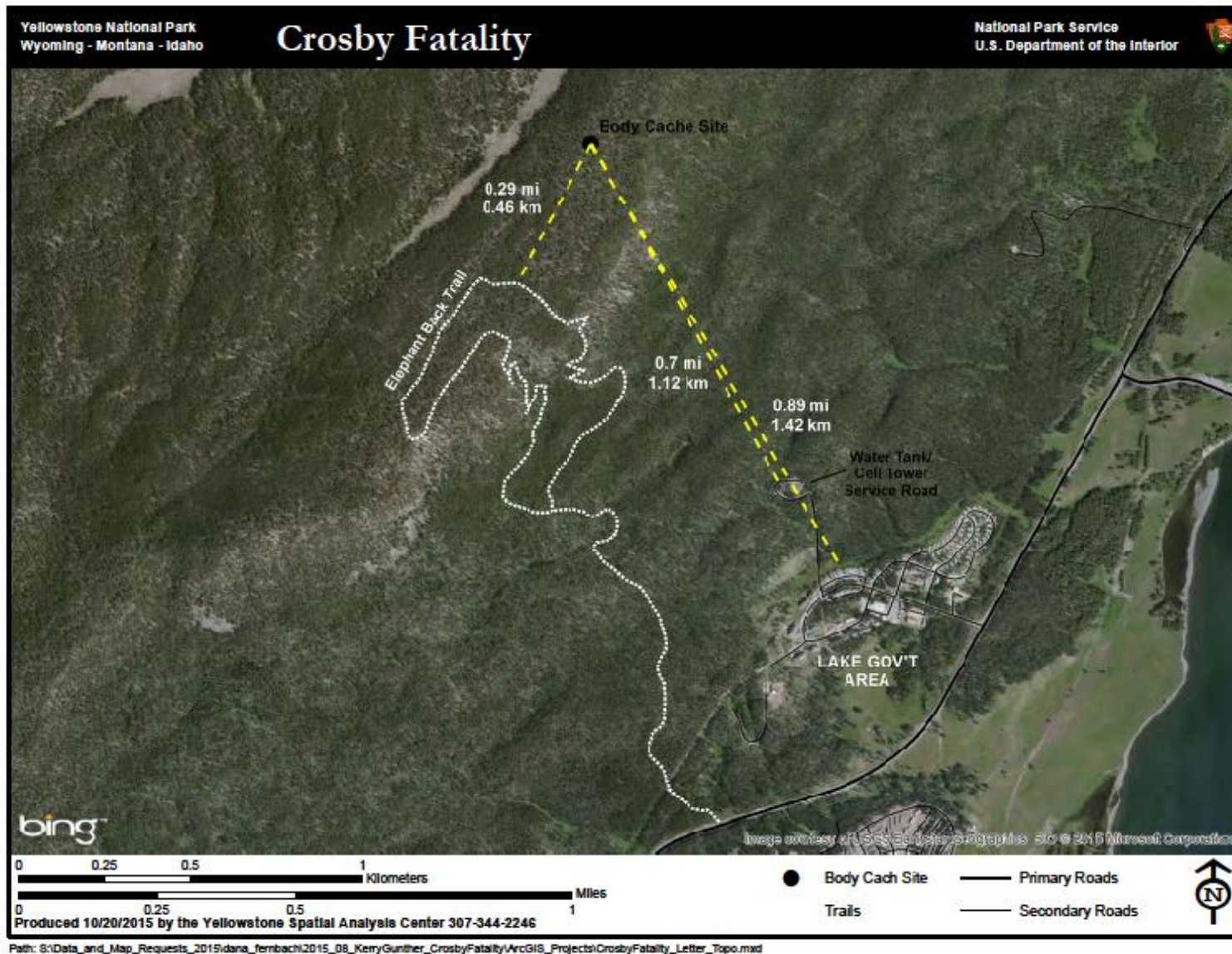


Figure 2. Map of the Crosby fatality site showing straight line distances from the body burial cache to the Elephant Back Trail, Lake Village water tank/cell tower service road, and the nearest residence in the Lake Village Government Area.

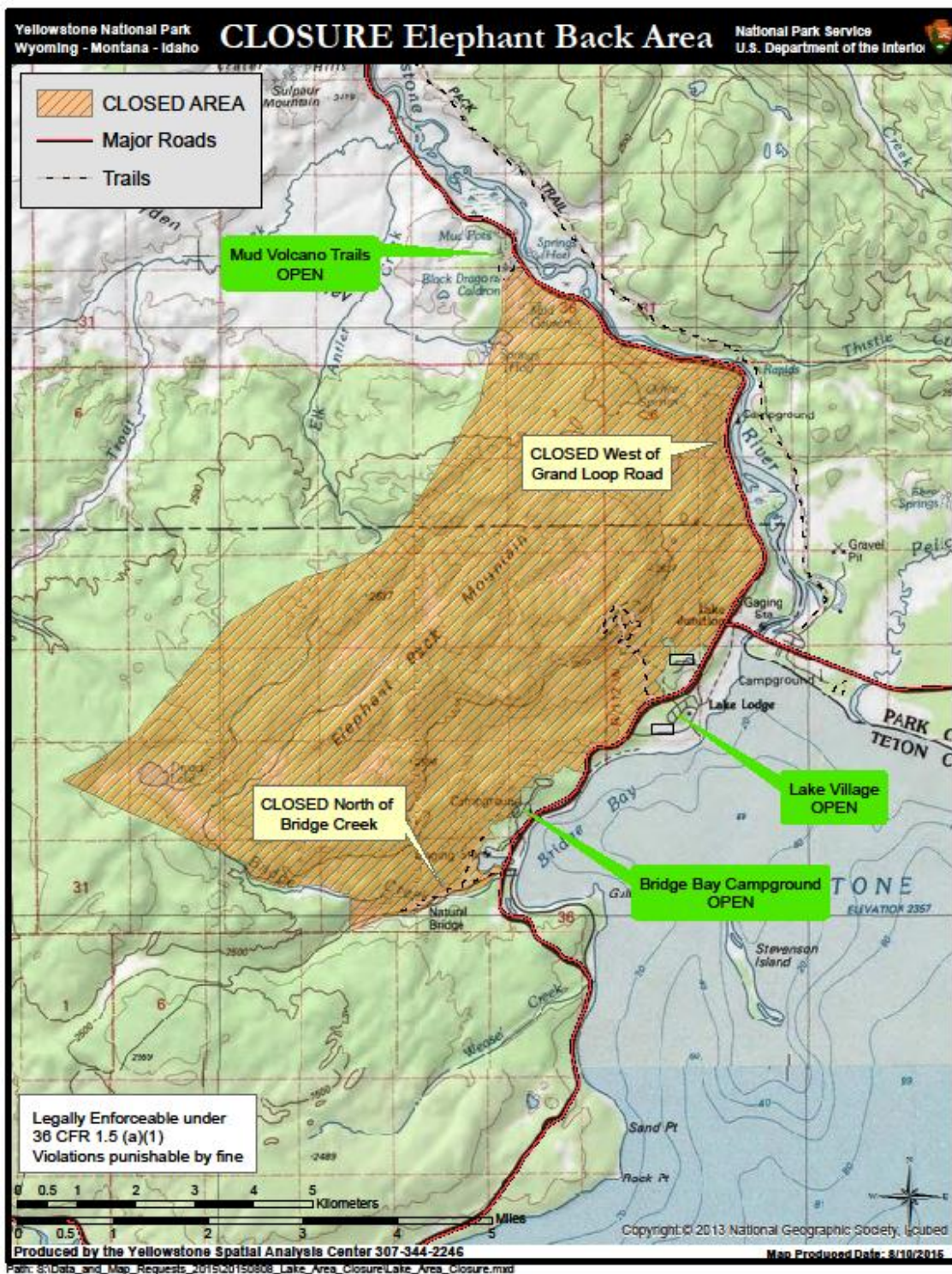


Figure 3. Map of the recreational activity closure of the Elephant Back Trail and Elephant Back Mountain area, August 7 – August 13, 2015, to preserve evidence and enhance visitor safety following the fatal bear attack on Lance Crosby on Elephant Back Ridge, August 6, 2015.



Figure 4. Sketch diagram of the Crosby fatality scene on Elephant Back Ridge, Yellowstone National Park displaying the body burial cache in relation to bear tracks, hair, scat, daybeds and other evidence found at the scene; results of DNA analysis are shown in red letters (map not drawn to scale).



Figure 5. Old electronic vacuum tube found on top of the body burial cache near Mr. Crosby's feet, Elephant Back Mountain, Yellowstone National Park, August 7, 2015. These types of vacuum tubes are no longer readily in use after being superseded by transistors, semiconductors, and microchips in the 1960s.

Body Burial Cache Area Description

Elephant Back Trail

The Elephant Back Trail is a day-use loop trail that does not have any designated backcountry campsites and undesignated site, dispersed backcountry camping is prohibited. The Trailhead for the Elephant Back Trail is located approximately 1.6 km (1 mile) south of Fishing Bridge Junction on the road between Lake Village and Fishing Bridge. The trail climbs about 244 vertical meters (800 feet) from the trailhead at 2,377 meters (7,800 feet) to the Elephant Back overlook at 2,621 meters (8,600 feet). The distance from the trailhead to the overlook and back is approximately 5.96 km (3.7 miles). The lower section of the trail is located in a closed-canopy forest dominated by lodgepole pine approximately 150 to 300 years post-fire, with the overstory still largely intact (Figure 6). The understory of the lower section of the trail consists of lodgepole pine, Englemann spruce, subalpine fir, and whitebark pine seedlings and saplings. The upper section of the trail and the body burial cache site are located in a climax stand of over-mature lodgepole pine that is over 300 years old, with some whitebark pine present. The stand is beginning to break up; regeneration in the understory consists of lodgepole pine and whitebark pine. The trail is popular with park visitors staying at the Lake Hotel, hotel rental cabins, and Lake Lodge rental cabins as well as visitors camping in the Bridge Bay Campground. Due to its proximity to National Park Service and Concessioner (Xanterra Parks & Resorts, Delaware North, Yellowstone Park Service Stations, Medcor, Federal Highways Department) housing facilities (dormitories, apartments, trailers, cabins), the trail is also very popular with employees for day-hiking, exercise walking, and jogging. The trail receives a high level of human recreational use.

Body Burial Cache Site

The forested ridge where the body was found forms a natural off-trail travel corridor for people, bears, and other wildlife. The amount of sign of human activity (rock cairns, campfire ring, peoples initials outlined with rocks, etc.) found along the ridge indicates that it receives at least a low level of dispersed recreational day-use, probably primarily by local residents of Lake Village and the Lake Village Government Area (Figure 7). The ridge is just over one-half mile from the nearest road and less than 1 mile from the nearest residential home. The ridge is not remote wilderness, but in a transition zone between rural human development and wilderness.

Bear Foods Proximal to the Body Burial Cache

The forest floor along the lower section of the Elephant Back Trail is covered with herbaceous vegetation and grouse whortleberry. Bear foods present along the trail include strawberry, grouse whortleberry, clover, graminoids, log-dwelling ants, and some whitebark pine. Growing conditions on the ridge where the body was found are less favorable due to drier, more sterile soils. Herbs and small shrubs on the ridge were much more widely scattered than along the Elephant Back trail. Bear foods present along the ridge include mushrooms, log-dwelling ants, grouse whortleberry, and red squirrel middens containing some whitebark pine seeds and cones.

Bear Activity Proximal to the Body Burial Cache

Lake Village, the Lake Village Government Area, Elephant Back Mountain, the Elephant Back Trail, and Elephant Back ridge are located in habitat frequented by both grizzly bears (Figure 8) and American black bears (Figure 9). As of August 6, 2015, the likely date of the fatality, 327 reports of grizzly bear activity and 40 reports of black bear activity within a 30-km radius of the fatality site had been recorded. The majority of these bear sightings occurred along the Grand Loop Road where most visitors in the area spend the majority of their time. The absence of reported bear sightings in backcountry areas further from the road is likely due to there being fewer people in those areas to see and report bears. From spring den emergence through August 6, 2015, only one bear sighting on the Elephant Back Trail had been reported. No bear sightings had been reported on Elephant Back ridge. The bear sighting along the Elephant Back Trail occurred on June 23, 2015, 43 days before the fatal attack. The hiker was not able to identify the species of bear he saw on the Elephant Back Trail.

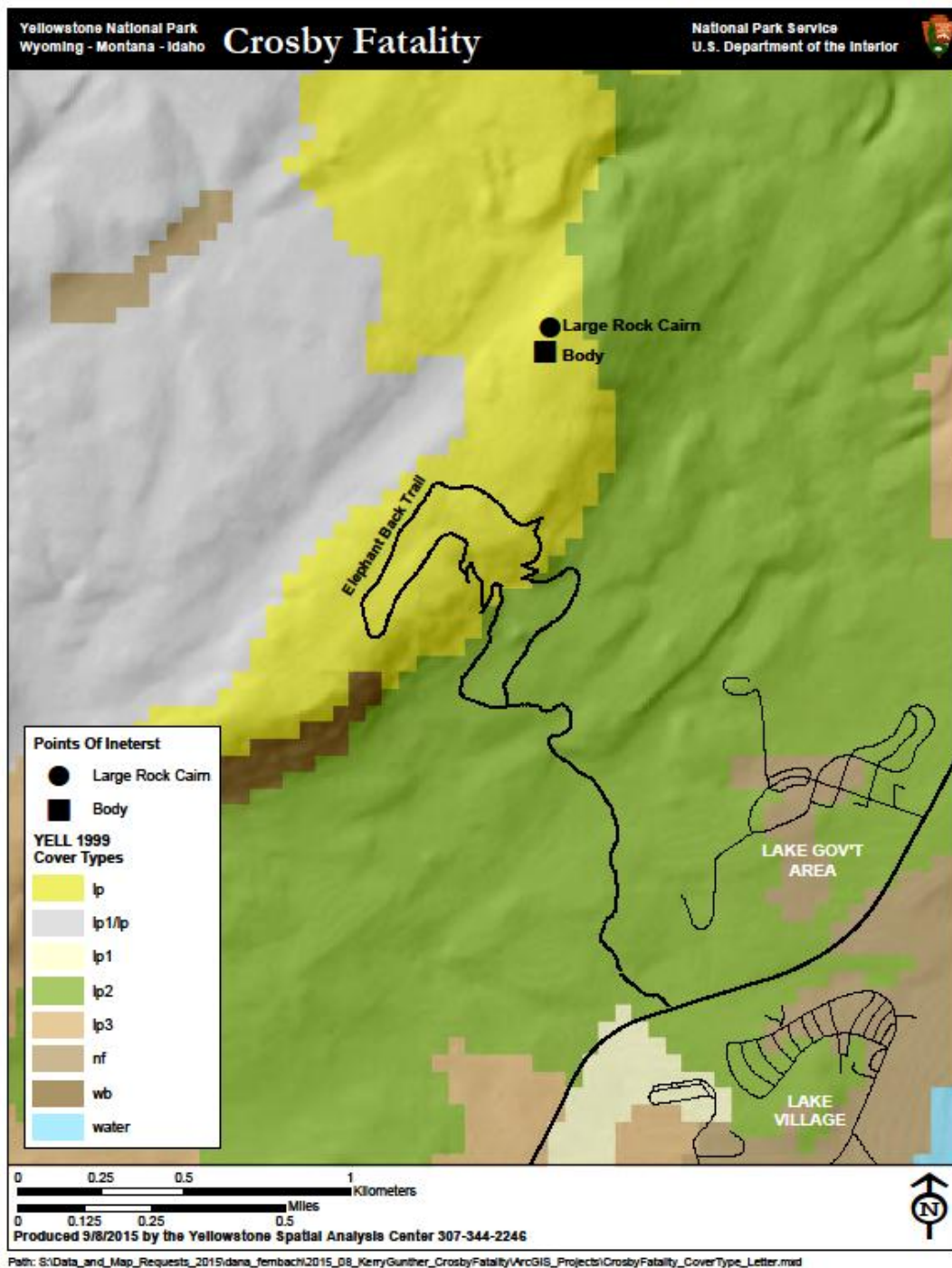


Figure 6. Vegetation cover-types along the Elephant Back Trail and Crosby body burial cache site, Elephant Back Mountain, Yellowstone National Park (Yellow [lp]: climax stage lodgepole pine more than 300 years old; Green [lp2]: lodgepole pine stand 150 to 300 years old; Dark Brown [wb]: climax stage whitebark pine; Gray [lp1/lp] intermixed mosaic of small diameter lodgepole pine 50 to 150 years old and climax stage lodgepole pine).



Figure 7. Sign of human activity (large rock cairn 248 feet from body burial cache [bottom photo], two small rock cairns [top left & right photo's], and someone's initials [top right photo]) along Elephant Back Ridge, an off-trail dispersed hiking area accessed by the Elephant Back Trail, Elephant Back Mountain, Yellowstone National Park, August 7, 2015.

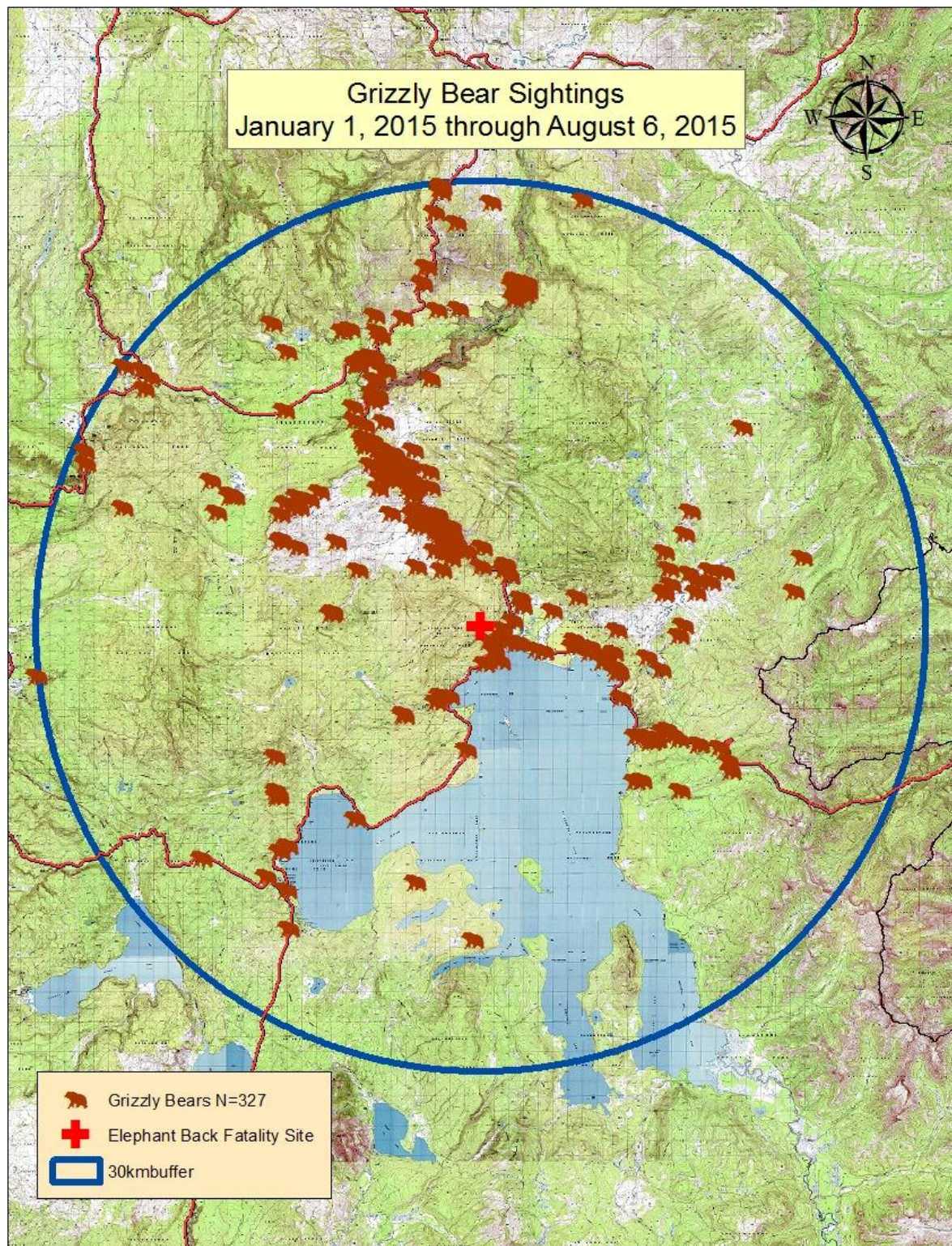


Figure 8. Grizzly bear activity (observations and tracks) reported from spring den emergence through August 6, 2015, within a 30-km radius of the Crosby fatality site on Elephant Back Ridge, Yellowstone National Park.

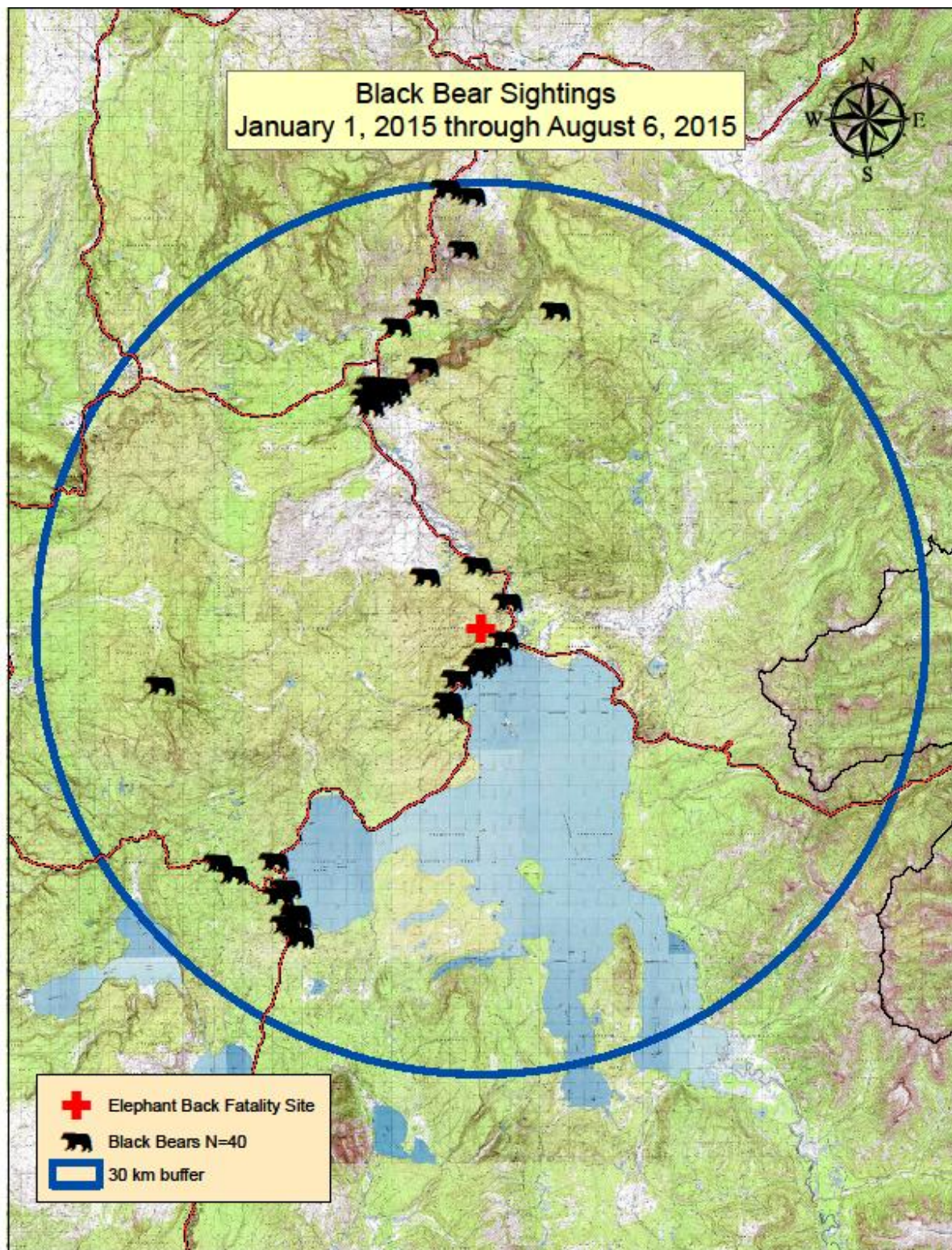


Figure 9. Black bear activity (observations and tracks) reported from spring den emergence through August 6, 2015, within a 30-km radius of the Crosby fatality site on Elephant Back Ridge, Yellowstone National Park.

Background Information

Mr. Crosby's Activity on Elephant Back Mountain

Because Mr. Crosby was alone when attacked, there is no way of knowing with certainty what activity he was engaged in prior to the attack. The Elephant Back Trail is used by recreationalists primarily for day hiking, exercise walking, jogging, and scenic photography (at the overlook). No camera or cell phone was found with Mr. Crosby, so he was not engaged in photography at the time of the attack. An acquaintance of Mr. Crosby stated Lance was definitely not a jogger, and at the time of the attack, Mr. Crosby was wearing leather hiking boots, long pants of a light canvas material, and a long sleeved, button-down, collared shirt, which are not typical jogging attire. In addition, Mr. Crosby had sprained an ankle the week prior to the fatality, had been on light desk duty at work following that injury, and this hike was thought to be his first physical activity after the ankle injury, thereby making it unlikely he was jogging on the steep trail. Therefore Mr. Crosby's mode of travel on Elephant Back Mountain on August 6 was most likely hiking and not jogging. Since Mr. Crosby did not have any camping gear with him, he likely did not intend to camp overnight on Elephant Back Mountain. Since Mr. Crosby was not carrying a day pack, water bottle, rain gear, or any food, he was most likely on a short day-hike or walk for exercise rather than a long extended day-hike.

Mr. Crosby's family and friends considered him an experienced hiker. Despite being an experienced hiker, Mr. Crosby was hiking alone, off-trail, and was not carrying bear spray. Mr. Crosby's family and friends stated that he often hiked alone, often hiked off-trail, and never carried bear spray. It is not unusual for experienced outdoor recreationalists to understand and accept the risks associated with hiking alone in bear country, hiking off-trail, and not carrying bear spray. A friend of Mr. Crosby stated that Lance believed carrying bear spray would make him complacent and that he thought it better to remain vigilant and rely on his senses to avoid confrontations with bears. Mr. Crosby's actions are not considered unusual. In a recent survey of 7,770 people day-hiking in 2,669 groups in Yellowstone National Park, 60% of the hiking groups had fewer than the recommended party size of three people for hiking in bear country, and 14% hiked alone (YNP data). Of the 7,770 day-hikers surveyed, only 1,061 (13.6%) carried bear spray. Therefore, Mr. Crosby's actions are within the range of typical behavior observed for day hikers in Yellowstone. As a day hiker, the only bear safety information Mr. Crosby would have been exposed to was the bear warning signs posted at the trailhead, unless he sought further information on his own (e.g. from a park visitor center or backcountry office, park web page, day-hike planner, backcountry trip planner, etc.). Two bear warning signs, "Danger: You Are Entering Bear Country" (Figure 10) and "Bear Attack: Are you Prepared" (Figure 11) are posted at all trailheads in Yellowstone National Park. On August 7, 2015, the "Danger: You are Entering Bear Country" was the only bear warning sign posted on the trailhead information board when the investigative team arrived at the Elephant Back Trailhead. The "Bear Attack: Are You Prepared" sign was missing from the trailhead information board when the investigative team arrived, and had likely been stolen sometime prior to the attack. In the following days, all trailheads in Yellowstone National Park were checked and both signs were present at every other trailhead in the park. The "DANGER: You Are Entering Bear Country" sign contains many safety recommendations for hiking in bear country including discouraging hiking alone and encouraging staying on maintained trails and using bear spray when charged by bears.

DANGER: You Are Entering Bear Country



All of Yellowstone is inhabited by black and grizzly bears. There are inherent dangers associated with hiking in bear country. **THERE IS NO GUARANTEE OF YOUR SAFETY.** While attacks are rare, visitors have been injured and killed by bears. The chances of being attacked by a bear may be reduced by adhering to the following guidelines:

WHEN HIKING

- Make noise to announce your presence.
Use extra caution where vision is obstructed.
- Be alert and aware of your surroundings, and watch for tracks, scat, and carcasses.
- Stay on maintained trails and keep children close to reduce the risk of surprising a bear.
- Do not hike after dark.
- Hiking alone is discouraged.
- Avoid carcasses: a bear may be out of sight, guarding its food.
- Never intentionally approach or attempt to feed bears or other wildlife.

WHEN CAMPING

- Avoid carrying and using odorous foods.
- “Pack It In, Pack It Out.” Carry out all trash including food waste.
- Sleeping areas should be 100 yards or more from your food storage and cooking area whenever possible.

WHEN FISHING

- Dispose of entrails by puncturing the air bladder and throwing them into deep water, at least 100 yards from the nearest campsite or trail.
- Do not clean fish in backcountry campsites.

FOOD STORAGE REGULATIONS

apply to ALL backcountry users

- All food and odorous items, including cooking gear, toiletries, and trash, must be properly stored when not in your immediate possession or when not in use and directly attended.
- Proper food storage means that all food and odorous items must be suspended at least 10 feet above the ground and 4 feet out from the trunk of the tree or secured in a metal bearproof storage container located at some campsites.
- Designated backcountry campsites have food storage poles to make food storage easier. Carry a minimum of 35 feet of rope.

If You Encounter a Bear: Stay calm. Do not run. Do not make sudden movements or loud noises.

- Slowly detour or back away, but stop if this seems to agitate the bear.
- Avoid direct eye contact; talking quietly and calmly to the bear may help.

If a Bear Charges: Stand still, do not run. If a bear charges it may be a bluff charge.

- If you are charged, bear pepper spray is a good last defense, but it must be instantly available and not in your pack. Become familiar with its use, read instructions, and know its limitations. Remember, carrying pepper spray is not a substitute for vigilance and good safety precautions in bear country.

If the Bear Makes Physical Contact: Drop to the ground and play dead.

- Lie face down and clasp your hands over the back of your neck.
- Remain still and stay silent to convince the bear that you are not a threat.
- Wait several minutes after the bear leaves before getting up and leaving the area.

Important: Information is valuable in helping to protect both visitors and bears. Please report all carcasses, bear sightings, bear sign, damage, or personal injuries to a park ranger. Additional information on traveling in bear country is available at backcountry offices and visitor centers.

Figure 10. “Danger: You Are Entering Bear Country” bear safety information and warning sign present on the Elephant Back Trailhead Information Board, August 6, 2015, the day Mr. Crosby started his hike.

BEAR ATTACK:

Are you Prepared to Avoid One?



**HIKE IN GROUPS
3 OR MORE**

BE ALERT FOR BEARS

MAKE NOISE

CARRY BEAR SPRAY

DO NOT RUN



There is no guarantee of your safety in bear country

Figure 11. “Bear Attack: Are You Prepared to Avoid One?” trailhead bear safety information and warning sign posted at all trailheads in Yellowstone National Park. This sign was missing from the Elephant Back Trailhead information board on August 7, 2015, when the investigative team arrived at the trailhead.

Weather

Weather records from the Lake Yellowstone Climatological Weather Station located approximately 1.5 km (0.96 miles) southeast of the body burial cache site indicate that there had been no precipitation in the Elephant Back Mountain area on the day prior (August 5th) or the day of (August 6th) the fatality (Table 2). The dry soil combined with pine needles and duff covering the ground inhibited the chances of good track evidence being left behind during the attack, but also ensured that any track and DNA evidence that was left behind would not have deteriorated significantly prior to the body being discovered. On August 7th, the day the body was discovered, 0.03 centimeters (cm; 0.01 inches) of rain were recorded, falling after dark after the body had been discovered and the fatality site investigation had already been completed. On August 8th, 0.89 cm (0.35 inches) of rain were recorded which likely obliterated any track evidence not previously discovered at the scene.

Table 2. Precipitation and maximum and minimum temperatures recorded at the Lake Village Climatological Weather station August 1st through August 11th, 2015, five days prior and five days after the Elephant Back Mountain fatality, Yellowstone National Park.

Date	Maximum Temperature (F)	Minimum Temperature (F)	Precipitation (inches)
August 1	76	41	0.00
August 2	78	44	0.00
August 3	80	50	0.00
August 4	75	48	0.30
August 5	69	42	0.00
August 6	65	39	0.00
August 7	65	42	0.01
August 8	70	46	0.35
August 9	54	40	0.23
August 10	64	39	0.01
August 11	73	42	0.00

Ungulate Carcasses

Ungulate carcasses are a high quality, calorically rich bear food that are known to attract and hold multiple bears in a concentrated area, thereby increasing the risk of human-bear encounters. Grizzly bears will defend carcasses from other bears, wolves, and people and surprise encounters between grizzlies and people at carcasses have resulted in bear attacks. There were no ungulate carcasses found along the Elephant Back Trail or on Elephant Back Ridge during the fatality investigation. The nearest known ungulate carcass to the Crosby fatality site was that of a bull bison located approximately 12.2 km (7.6 miles) southwest of the fatality site (Figure 12). The bull bison had died on August 1, and had likely been mostly consumed by August 6, the day of the fatality. Due to the distance of the bison carcass from the fatality site, it likely had no influence on the bear attack on Elephant Back Mountain.

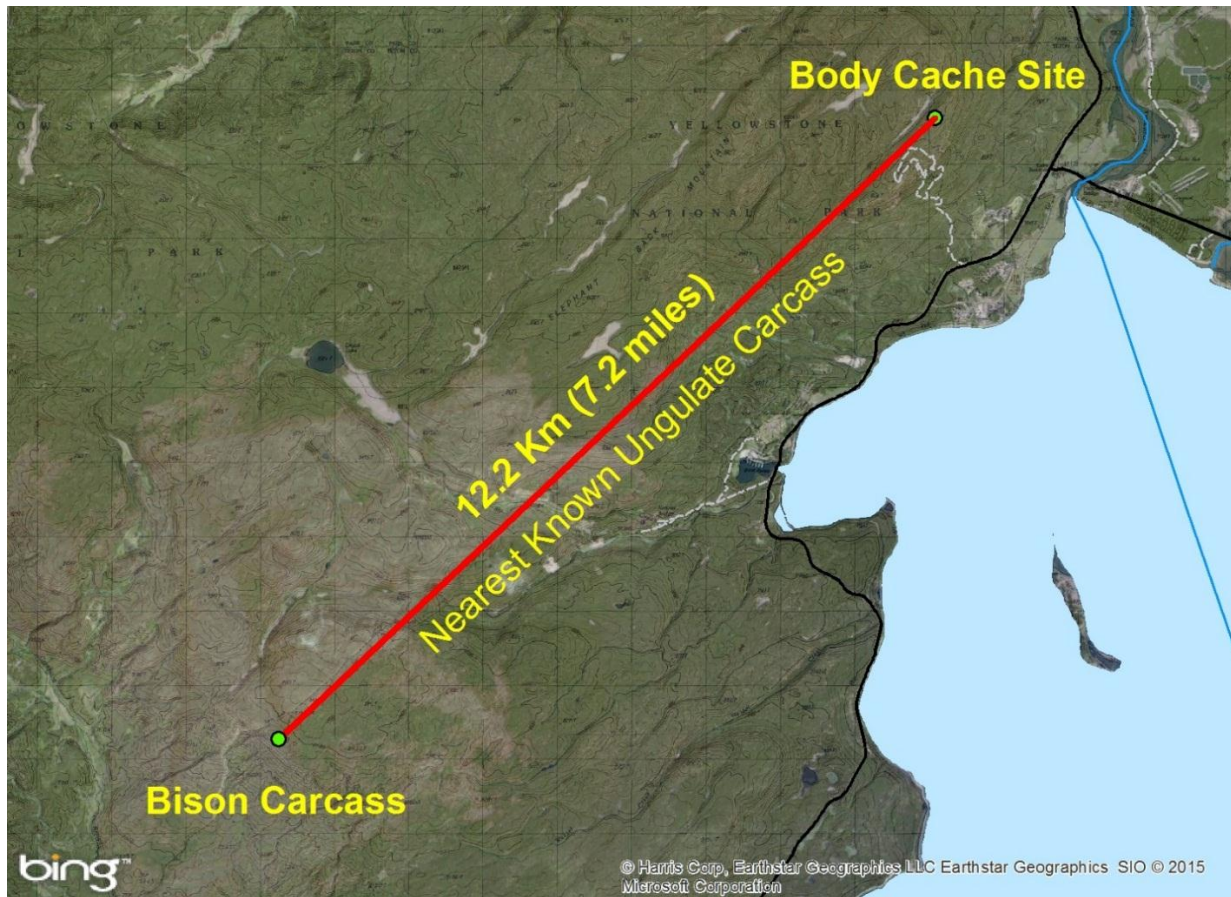


Figure 12. Location of nearest known ungulate carcass, a bull bison that had died on August 1st, to the Crosby fatality site, August 6, 2015.

Unique Female Grizzlies with Cubs in the Elephant Back Mountain Area

Visual sightings and track evidence indicated that a female grizzly bear with cubs-of-the-year were likely responsible for the consumption of Mr. Crosby's body. To gain insight into how many different female grizzly bears with cubs made use of the Elephant Back Mountain area in 2015, we queried the Interagency Grizzly Bear Study Team database for all known unique females with cubs in a 30-km radius around the body burial cache site. During the spring and summer (den emergence through August 6) of 2015, known reliable observers reported 43 sightings of female grizzly bears with cubs within a 30-km radius of the body burial cache site (Figure 13). These sightings were from an estimated eight different unique individual adult female grizzly bears that were accompanied by litters of one to three cubs-of-the-year. Thirty-four of these sightings were of an estimated four unique individual adult female grizzlies that had two cub litters (Figure 14). The bear involved in the attack and consumption of Mr. Crosby's body was likely one of these four grizzly bears. However, the presence of additional female grizzly bears accompanied by two cub litters in the Elephant Back Mountain area that had not been previously documented by the Interagency Grizzly Bear Study Team cannot be ruled out.

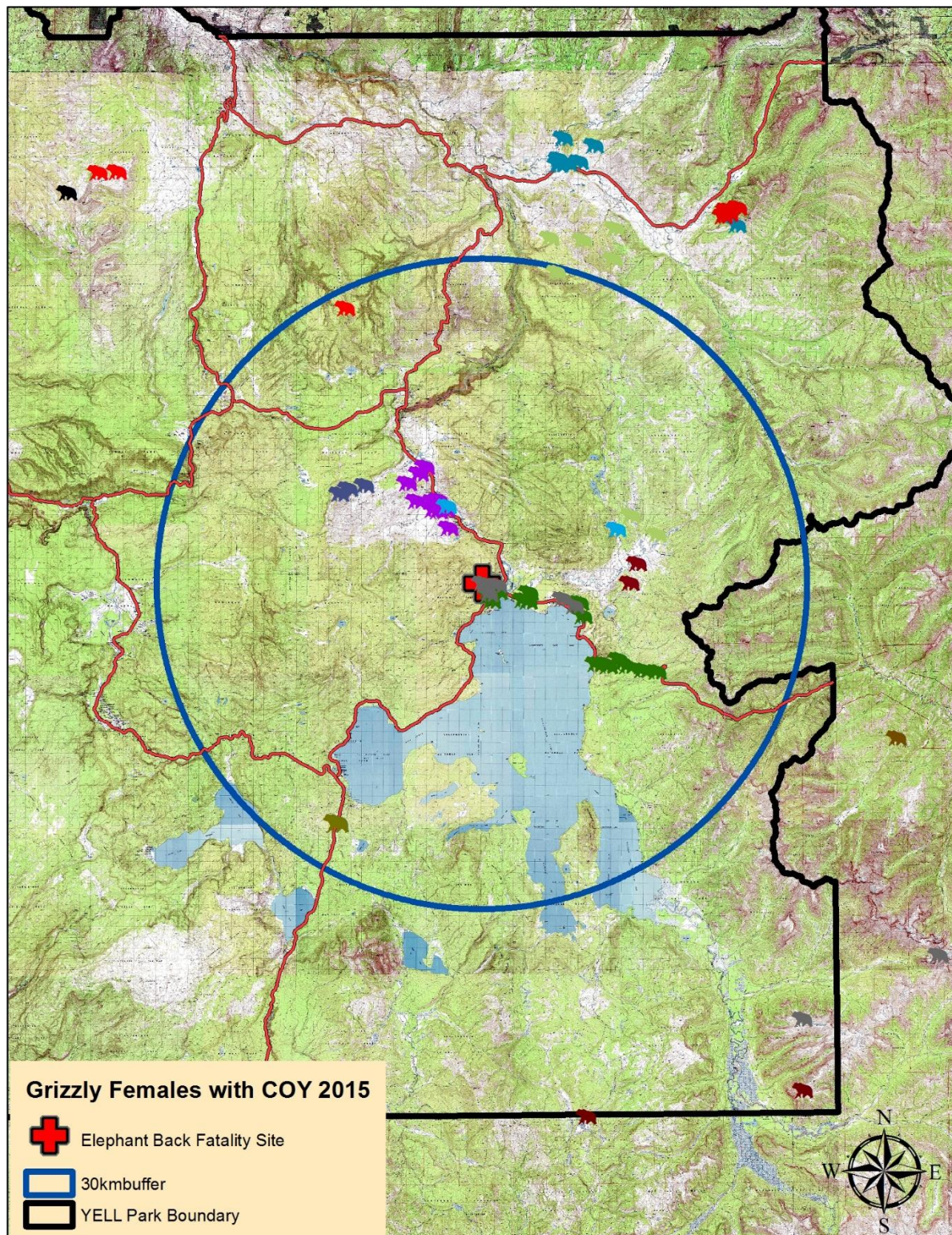


Figure 13. Confirmed sightings of eight unique individual female grizzly bears with litters of from one to three cubs-of-the-year within a 30-km radius of the Crosby fatality site, Elephant Back Mountain, Yellowstone National Park, 2015 (Interagency Grizzly Bear Study Team unpublished data).

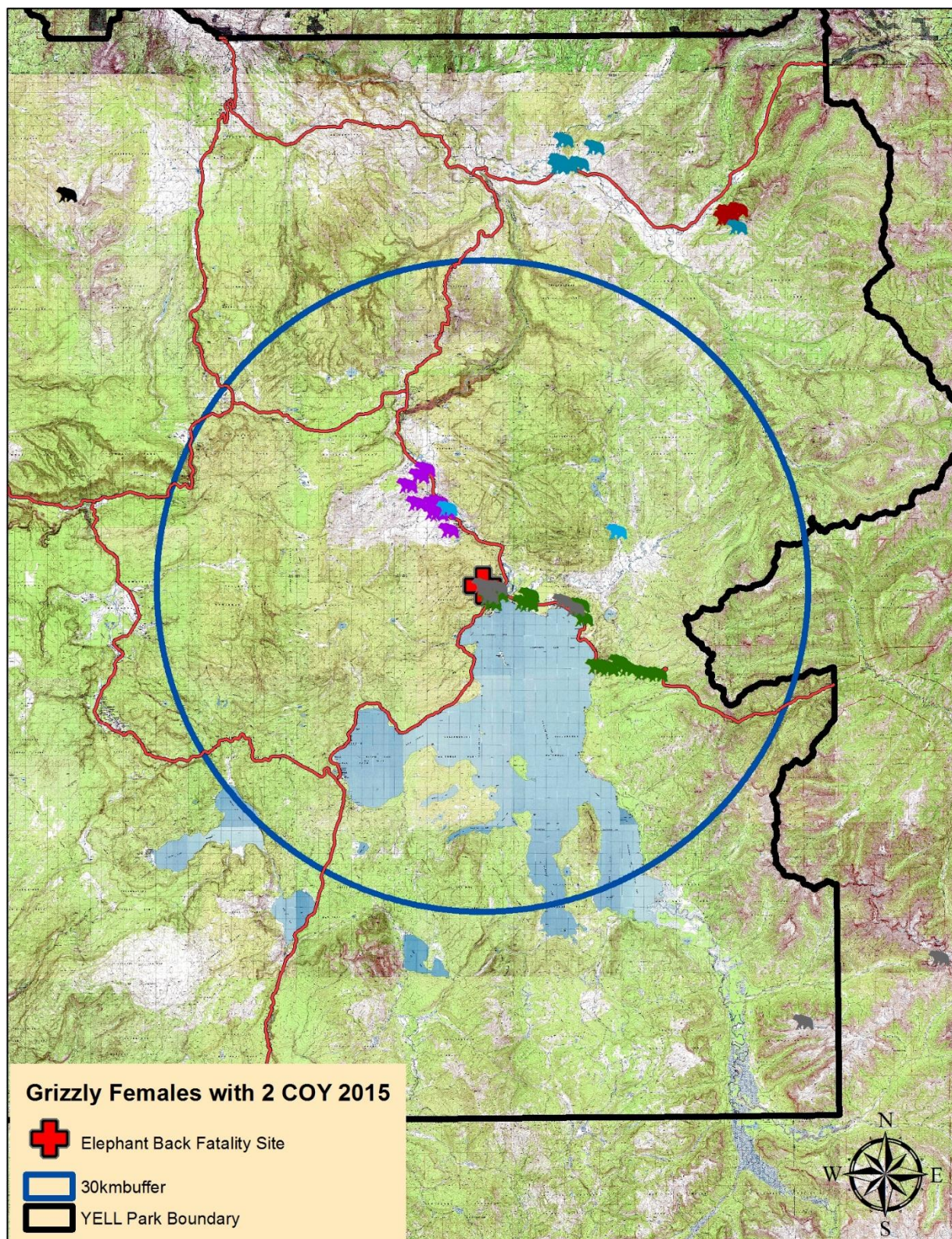


Figure 14. Confirmed sightings of four unique individual female grizzly bears with litters of two cubs-of-the-year within a 30-km radius of the Crosby fatality site, Elephant Back Mountain, Yellowstone National Park, 2015 (Interagency Grizzly Bear Study Team unpublished data).

Incident Scene Evidence

Forensic evidence collected as part of the investigation included bear track measurements and bear bite wound measurements, as well as bear hair, bear scat, and bear saliva for DNA (genetic) analyses (Table 1, Figure 15). Measureable tracks were found in the dirt next to the victim's body and in daybeds near the body on the day the body was discovered. Measureable canine bite wounds were found on the victims' right forearm and left shoulder. Saliva was swabbed from bite wounds on the victim's shoulders and forearm. Bear hair was collected from the victim's body, clothes, bracelet, and sunglasses, from a bloody rock found next to the body, from the soil of the burial cache covering the body, and from day-beds near the body. Bear scats were collected next to the body, near daybeds, and from a 200-meter (219 yards) perimeter around the body.

Tracks found at the scene can be used to determine the species of predator involved in an attack and also for determining the species of carnivores that scavenge the body. Tracks can also aid in determining the sex and age class of the carnivore involved in an attack. However, bear tracks are not 100% reliable as a method for identifying individual bears. An individual bear can leave different sized track impressions depending on the type of substrate (sand, fine dirt, dust, hard packed ground, duff, wet ground, mud, snow, etc.). The bears' gate (walking, running, loping, standing on two legs, etc.) and the amount of weight or pressure placed on each foot will also affect the size of the foot pad impression left on the ground. In addition, there is significant overlap in track sizes between bears of the same sex and age classes and some overlap between bears of different sex and age classes. Also, the actual foot pad measurements taken from captured bears often don't match 100% with measurements of the foot pad impressions from the same bear left in dirt or mud, because the bear's foot pad flattens out as an increasing amount of weight or pressure is placed on the foot as it strikes the ground.

Bite wounds can also be used to determine the species of predator involved in an attack and can aid in determining the sex and age class of the attacking animal. As with tracks, bite wounds are not 100% reliable for identifying individual bears because human skin is somewhat elastic. Any movement by the bear (pushing, pulling, shaking of the head) or by the person being bitten (pulling away) can tear or stretch the skin and change the shape and distance between canine impressions left in the skin. In addition, the amount of pressure of the bite determines how deep the canines penetrate the skin. Therefore, the center point of the canines must be visually estimated when measuring the canine width distance. As with tracks, there is significant overlap in bite wound impressions between bears of the same species, sex and age class, and some overlap between bears of different sex and age classes. There is also some overlap in canine width distances between different species of carnivores (grizzly bear, black bear, mountain lion, wolf, etc.).

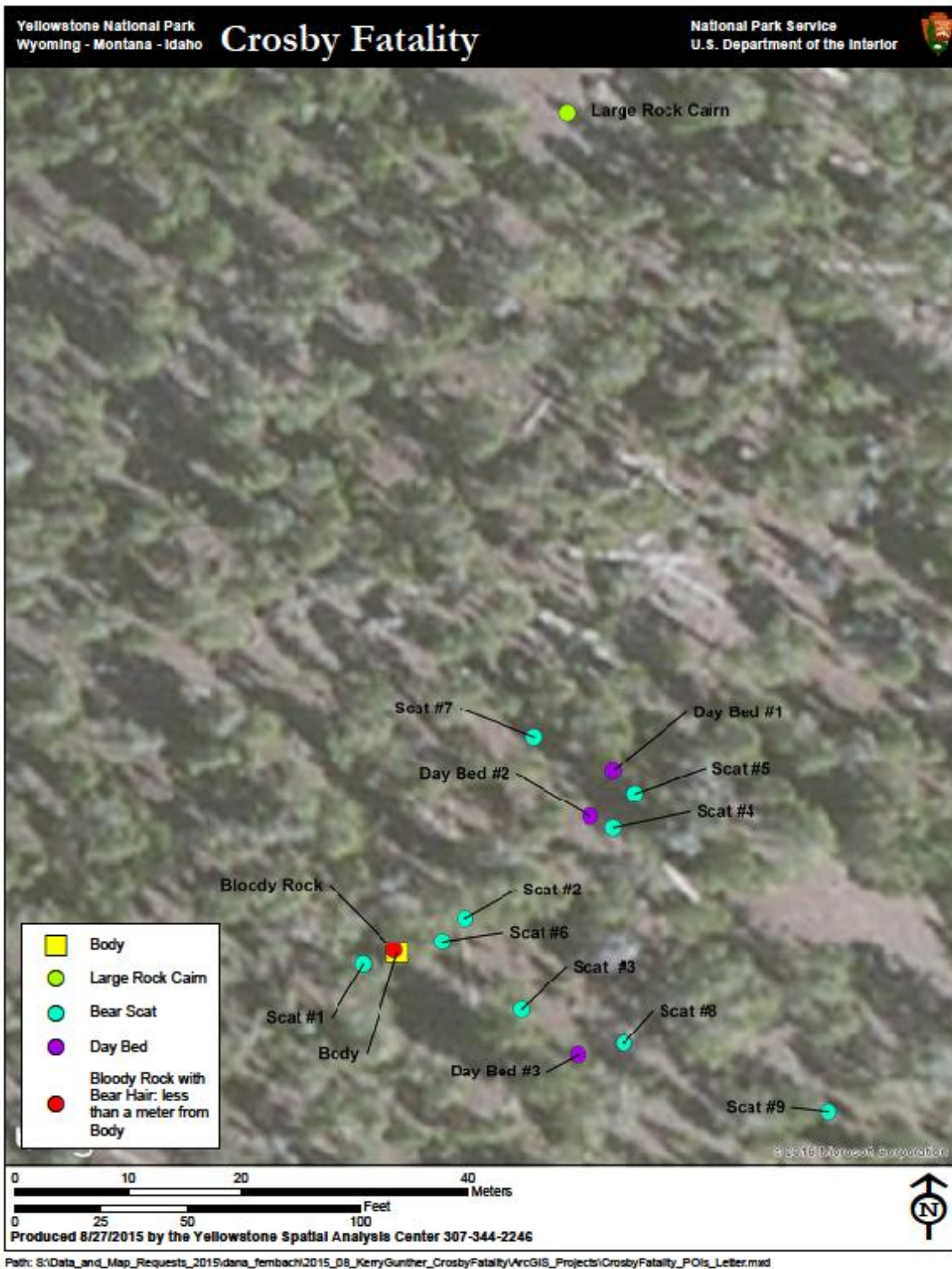


Figure 15. Bear sign (tracks, scat, daybeds) found at the Crosby fatality site, Elephant Back Mountain, Yellowstone National Park, on August 7, 2015.

DNA from blood, tissue, hair, scat, or saliva is the most accurate method of identifying individual bears. However, DNA deteriorates rapidly under outdoor environmental conditions, especially wet conditions. Although it did not rain from the time of death to the time the body was discovered, moisture from blood and body fluids may have deteriorated bear DNA samples taken from the body. Hair, scat, and saliva samples collected for DNA analysis were sent to two laboratories for analyses:

Wyoming Game and Fish Wildlife Forensic and Fish Health laboratory
Biological Sciences Building
1000 E. University Avenue
Laramie, Wyoming 82071

Wildlife Genetics International
200-182 Baker Street
Nelson, British Columbia, Canada V1L5P9

Body Burial Cache

When the body was found it had been covered with dirt, duff, rocks, grass, sticks, and pine needles typical of carcass caching behavior by some large carnivores. The three species of carnivores in Yellowstone National Park that cache mammal carcasses for future scavenging are grizzly bears, black bears, and mountain lions. Although the presence of a burial cache cannot be used to determine with certainty the species of carnivore that killed Mr. Crosby, it does give an indication of the species that consumed his body. The presence of a burial cache indicates that the body was consumed by a grizzly bear, black bear or mountain lion.

Visual Sightings of Bears near the Body Cache Site

On August 7, 2015, at approximately 1400, the investigative team heard a cub or cubs bark/bawl several times and observed an adult size bear with dark brown legs and light brown sides running from the body burial cache. Due to tree cover and the short duration of the sighting, it could not be determined with certainty whether the adult bear was a grizzly bear or black bear. The sighting of an adult bear with cubs running from the burial cache indicates that the body was being consumed by a female bear with young (cubs or yearlings).

On August 10, 2015, at approximately 1500, the trapping team and helicopter personnel observed a large adult, cinnamon colored black bear on Elephant Back Mountain approximately 100 to 150 meters (109 to 164 yards) below the body burial cache. Because no black bear tracks, hair, or DNA were found at the body, there is no evidence linking this black bear to the death or consumption of Mr. Crosby.

Track Evidence

Grizzly bear tracks were found next to Mr. Crosby's body in the burial cache and in daybeds near the body. The tracks indicate that an adult female sized grizzly and at least one grizzly cub-of-the-year were present at the body. No tracks of adult male grizzly bears, or tracks from black bears, mountain lions, or wolves were found at the scene.

Body Burial Cache Site: A partial adult grizzly bear track (based on claw and toe imprints) and a partial grizzly bear cub track were found next to the body in the burial cache. The adult track was not complete enough to make an accurate measurement. The partial front pad width of the grizzly bear cub front track found at the body measured approximately 8.0 cm front (3.1 inches).

Daybed #1: An adult grizzly bear track was found in daybed #1, 24.8 meters (27.1 yards) from the body. The estimated outline of the front pad width measured approximately 11.4 cm (4.5 inches). A partial cub track was also found in daybed #1, the estimated outline of the front pad width measured approximately 8.9 cm (3.5 inches).

Daybed #2: A partial grizzly bear cub front foot track was found in daybed #2, 20.8 meters (22.7 yards) from the body. The estimated outline of the front pad width measured approximately 7.6 cm (3.0 inches).

Daybed #3: Two partial cub front tracks were found in daybed #3, 18.4 meters (20.1 yards) from the body. The outline of the front pads were estimated for measurement. One track measured approximately 7.6 cm (3.0 inches) and one track measured approximately 7.0 cm (2.8 inches).

Bite Wound Evidence

Because the body was partially consumed there were relatively few bite wounds where the canine widths could be accurately measured. Although there were bite wounds on some areas of the body that had not been consumed, these areas contained multiple bites proximal to each other making it difficult to accurately determine paired upper or lower canines. Two pairs of matched upper canines were present, including one set on the anterior and one on the posterior of the right forearm. In addition, two pairs of matched lower canines were present, one on the right anterior forearm and one on the left scapula.

Upper Canine Width: A matched set from what was believed to be upper canines were measured on the anterior of the victims' right forearm. The estimated center-to-center distance of the canines was approximately 60 millimeters (mm; 2.4 inches). Another matched set of what appeared to be upper canines were measured on the posterior of the right forearm. The estimated center-to-center distance was approximately 60-mm (2.4 inches). Upper canine bite wounds of this size are too large to be from a mountain lion, wolf, coyote, or average-sized adult male or female black bear, and too small to be from a large adult male grizzly bear. A 60-mm (2.4 inches) upper canine width is consistent with an adult female grizzly bear, subadult male grizzly bear, or large adult male black bear.

Lower Canine Width: A matched set from what was believed to be lower canines were measured on the victims left scapula. The estimated center-to-center distance was approximately 55 mm (2.7 inches). Another matched set of what appeared to be lower canines were measured on the anterior of the right forearm. The estimated center-to-center distance was approximately 50 mm (2.0 inches). Lower canine bite wounds of this width are too large to be from a mountain lion, wolf, coyote, or average-sized adult male or female black bear, and too small to be from a large adult male grizzly bear. A 50 to 55 mm (2.0 – 2.7 inches) lower canine width is consistent with an adult female grizzly bear, subadult male grizzly bear, or large adult male black bear.

Bear Saliva DNA Evidence

Multiple bite wounds on the victim's body were swabbed to collect saliva of the bear that attacked and/or partially consumed Mr. Crosby. All of these swabs were non-reactive (no DNA extracted) for bear DNA (Table 1).

Bear Scat DNA Evidence

DNA was successfully extracted from three of the nine bear scats collected near Mr. Crosby's body, including bear scats #3, #7, and #9. All of the other bear scats collected (#'s 1, 2, 4, 5, 6, and 8) were non-reactive. DNA indicated that the three bear scats were from two related individual female grizzly bears. The DNA replicated from bear scat #7, a large adult size bear scat located 22.5 m (24.6 yards) from the body, was from a female grizzly bear and was a match to the DNA from the tissue, hair, and blood collected from the bear known as the Elephant Back sow (Table 1, Fig. 13). The Elephant Back sow was captured in a trap at the body burial cache site on the night of August 7 or the morning of August 8. The DNA replicated from bear scat #3, a small cub size scat located 12.1 m (13.2 yards) from the body was from a female offspring of the Elephant Back sow. The DNA from bear scat #9, a small cub size scat located 40.5 m (44.2 yards) from the body was from the same cub as scat #3.

Bear Hair DNA Evidence

Bear hair was collected from Mr. Crosby's body, clothes, bracelet, and sunglasses, and from the soil that the bear had raked over the body, as well as from a bloody rock found 0.9 m (3 feet) from his head. DNA was successfully replicated from the bear hair collected from the bloody rock found near the victims' head (Table 1, Figure 4). The bear hair collected from Mr. Crosby's body, clothes, jewelry, and sunglasses and from the burial cache and surrounding bear daybeds were all non-reactive (no DNA extracted). The bear hair collected from the bloody rock allowed identification of species, sex, and individual genotype. The DNA collected from the hair on the bloody rock was from a female grizzly bear and was a match to the DNA from the tissue, hair, and blood collected from the bear known as the Elephant Back sow captured in a trap at the body burial cache on the night of August 7 or the morning of August 8.

Table 1. DNA results from bear hair, saliva, scat, tissue, and blood samples collected at the Crosby fatality site and from the adult female grizzly bear captured at the fatality site on Elephant Back Mountain, Yellowstone National Park, 2015.

Evidence	Distance To Body	DNA Results				
		DNA Successfully Extracted	Genus/Species	Sex	Individual Genotype	Match With Known Bear in GYE DNA Database
Swab from bite wound on Crosby Left upper cheek	0 meters	Non-reactive				
Swab from bite wound on Crosby right shoulder	0 meters	Non-reactive				
Swab from bite wound on Crosby right forearm	0 meters	Non-reactive				
Bear hair collected Crosby Right shoulder	0 meters	Non-reactive				
Bear hair collected from Crosby stomach	0 meters	Non-reactive				
Bear hair collected from Crosby Left shoulder (#1)	0 meters	Non-reactive				
Bear hair collected from Crosby Left shoulder (#2)	0 meters	Non-reactive				
Bear hair collected from Crosby chin	0 meters	Non-reactive				
Bear Hair from leather bracelet worn on right wrist	0 meters	Non-reactive				
Bear hair from sunglasses (#1)	0 meters	Non-reactive				
Bear hair from sunglasses (#2)	0 meters	Non-reactive				
Bear Hair from Body Burial Cache dirt/duff	< 1 meter	Non-reactive				
Bear hair (7 hairs) on bloody rock next to body	0.9 meters	Yes	Ursus/arctos	Female	Elephant Back Sow	No
Blood from bloody rock next to body	0.9 meters	Non-reactive				
Bear hair from day-bed #1	24.8 meters	Non-reactive				
Bear hair from day-bed #2	20.8 meters	Non-reactive				
Bear hair from day-bed #3	18.4 meters	Non-reactive				
Bear scat #1 (mucosal swab)	3.2 meters	Non-reactive				
Bear scat #2 (mucosal swabs)	6.7 meters	Non-reactive				
Bear scat #3 (mucosal swab)	12.1 meters	Yes		Female	Offspring of Elephant Back Sow	No
Bear scat #4 (mucosal swab)	22.0 meters	Non-reactive				
Bear scat #5 (mucosal swab)	25.2 meters	Non-reactive				
Bear scat #6 (mucosal swab)	4.1 meters	Non-reactive				
Bear scat #7 (mucosal swab)	22.5 meters	Yes		Female	Elephant Back Sow	No
Bear scat #8 (mucosal swab)	21.5 meters	Non-reactive				
Bear scat #9 (mucosal swab)	40.5 meters	Yes		Female	Offspring of Elephant Back Sow	No
Hair collected from adult female grizzly bear captured at fatality site on August 7/8, 2015	9.4 meters	Yes	Ursus/arctos	Female	Elephant Back Sow	No
Blood collected from adult female grizzly captured at fatality site on August 7/8, 2015	9.4 meters	Yes	Ursus/arctos	Female	Elephant Back Sow	No
Tissue collected from adult female grizzly captured at fatality site on August 7/8, 2015	9.4 meters	Yes	Ursus/arctos	Female	Elephant Back Sow	No

Aerial Reconnaissance

In an effort to identify individual grizzly bears using the Elephant Back Mountain area, a fixed-wing aerial reconnaissance flight was scheduled for the day after the body was discovered. Due to bad weather the flight could not be conducted until August 9.

Reconnaissance Flights

August 8, 2015: Flight cancelled due to weather.

August 9, 2015: Aerial reconnaissance flown in a fixed-wing aircraft over the Bridge Creek drainage, Elephant Back Mountain, and the area around the Lake Village, Lake Village Government Area, and Bridge Bay development complex. No grizzly bears, black bears, wolves, or mountain lions were visually observed and no radio-collared bears were located with telemetry in the area.

Bear Trapping Operation

Bear traps were set at the Crosby fatality site on Friday, August 7, 2015, the same day the body was discovered. Traps were set 9.4 meters (10.3 yards) from the body burial cache. Trapping operations used minimal trap bait and chum and no call baits in an effort to increase the chances of catching the target bear while minimizing the chances of luring bears that were not involved in the incident to the site. Bear trapping operations were terminated at approximately 1100 on August 11 2015.

Bear Trapping Effort

Adult size aluminum culvert traps and cub size aluminum box style bear traps were used in the trapping operation. No snares were set.

August 7: two adult size aluminum culvert traps set (2 trap-nights).

August 8: one adult size aluminum culvert trap set (1 trap-night).

August 9: one adult size aluminum culvert trap set (1 trap-night).

August 10: two aluminum cub box traps set (2 trap-nights).

August 11: All traps closed and all traps and bait pulled from site.

Bear Captures

In 6 trap nights, three grizzly bears were captured including an adult female and two female cubs-of-the-year. No other bears were captured.

August 7, 2015 – On Friday evening or Saturday morning, an adult female grizzly bear (became #201518) was captured at the body burial cache site. Weight = 259.3 pounds (117.6 kilograms), 21.3% body fat, qualitative body fat index = 2 on a scale of 1 to 5; upper canine width = 59.2 cm (2.3 inches), lower canine width = 50 mm (2.0 inches); front foot pad width = 12.4 cm (4.9 inches); hind foot pad width = 11.3 cm (4.5 inches). Based on tooth wear, this bear was

estimated to be 15+ years old. DNA from this bear matches DNA from the bear hair found on a bloody rock 90 cm (3 feet) from the head of the victim in the body burial cache. There were numerous cub-of-the-year sized muddy paw prints left on the outside of the trap and trap door, indicating that the captured adult female bear had cubs with it that remained at large. This adult female grizzly bear was not wearing a radio collar or ear-tags, did not have a PIT tag or a tattoo, and did not match the genotype of any grizzly bears in the IGBST DNA database. Therefore this bear had never before been captured for research or management purposes.

August 9, 2015 – On Sunday evening at 2109 (based on camera-trap pictures), a female cub-of-the-year (became #201519) was captured at the body burial cache site. Weight = 24.3 kilograms (53.5 pounds), qualitative body fat index = 3 on a scale of 1 to 5.

August 10, 2015 – On Monday afternoon at 1512 (based on camera-trap pictures), a female cub-of-the-year (became #201520) was captured at the body burial cache site. Weight = 18.7 kilograms (41.3 pounds), front foot pad width = 8.2 cm (3.2 inches), hind foot pad width = 8.0 cm (3.2 inches), qualitative body fat index = 3 on a scale of 1 to 5.

Camera Trap Operation

On August 8 at approximately 1500, two trail cameras were set up at the body burial cache and bear trap locations to confirm how many cubs the adult female bear that had been captured on the evening of August 7th had with it. A secondary objective of the camera traps was to determine if any other grizzly bears or other carnivores (black bears, wolves, mountain lions) were frequenting the body burial cache.

Camera Trap Captures

August 8, 2015, 1500 to 2359: No bear activity was captured by the cameras.

August 9, 2015, 0001 to 2359: Photo's from the remote cameras indicate that two grizzly cubs of the year visited the body burial cache and trap site at 2052, the remote camera indicated that one cub was captured in a trap at the site at 2109, and the second cub remained at the trap site until midnight. No other bear activity was captured by the camera.

August 10, 2015, 0001 to 2359: Photo's from the remote cameras indicate that one cub-of-the-year was present at the trap site from 2359 on August 9 until it was captured in a trap at the site at 1512 on August 10th. No other bear activity was captured by the camera from 1512 pm. through midnight.

August 11, 2015, 0001 to 1100: No bear activity was captured by the two cameras. The cameras were pulled from the incident site at approximately 1100.

Conclusion

On August 7, 2015, the partially consumed and cached body of 63-year-old Mr. Lance Crosby was found on Elephant Back Ridge 0.46 km (0.29 miles) from the Elephant Back Trail. All physical evidence found at the scene including the body burial cache, visual bear sighting, daybeds, hair, scats, tracks, and bite wounds were consistent with a bear attack by an adult female grizzly bear with two cubs-of-the-year. The autopsy indicated that Mr. Crosby had been in good health prior to his death. Defensive, blocking type wounds on the victims' hands and arms, as well as bruises associated with bite wounds on his head, face, shoulders, and upper back indicate that Mr. Crosby was alive when attacked by the bear. His good health combined with the presence of defensive wounds and bruising associated with bite wounds rules out the possibility that Mr. Crosby died from non-bear related natural causes and was later scavenged by the bears. On the night the body was found (August 7th) or the following morning (August 8th) an adult female grizzly bear (#201518, referred to as the Elephant Back sow) was captured in a trap set 9.4 meters (10.3 yards) from the body burial cache. One (#201519) of the adult females' two cubs (both females) was captured at the site on August 9th and the second cub (#201520) was captured at the fatality site on August 10th. Photos from camera traps set at the trap site indicated that the captured female had been accompanied by two cubs and that there were no other bears visiting the body burial cache. DNA evidence indicates that the Elephant Back sow (#201518) and one of her two female cubs were both present at the body burial cache and left hair and/or scats there. By association, the Elephant Back sows' second cub was likely present as well, as cubs are usually accompanied by their mothers. No DNA, tracks, or other physical evidence from any other grizzly bears, black bears, mountain lions, wolves, or coyotes was found at the incident site. Due to the DNA evidence linking the Elephant Back sow (#201518) and her cubs (#201519 & #201520) to the body burial cache and consumption of the body, they were permanently removed from the park. The adult female grizzly was killed and the two cubs were sent to the Toledo Zoo in Ohio.

Necropsy of the adult female grizzly bear (#201518) conducted at the Montana Veterinary Diagnostic Laboratory did not reveal any injuries, condition, or disease that would have contributed to the attack on Mr. Crosby or consumption of his body (Appendix A). The adult female bear was in good nutritional state with moderate fat stores. Musculoskeletal system, brain, skull, reproductive tract, esophagus, and heart were all normal. Gross and histologic lesions to account for the atypical behavior of bear #201518 were not present.

The primary objective of removing the adult female grizzly bear and two cubs that were involved in the fatal attack and consumption of Mr. Crosby was not for punishment or retribution, but to prevent these bears from killing and consuming other park visitors or residents in the future. Bears are a very intelligent, highly adaptable species that quickly learn to exploit new food resources, especially foods that are easily obtained and contain concentrated sources of fat and protein. Since bears readily learn new foods and remember the locations, circumstances, and seasons foods are available, the possibility of these bears preying on people in the future could not be ruled out. In addition, killing this bear may possibly save the lives of other bears. Recreationalists on National Park Service and National Forest Service lands are allowed to carry firearms. If recreationists on these public lands knew that bears that killed and consumed people

were left to roam freely on the landscape, they may be more likely to use firearms instead of bear spray during surprise encounters, possibly resulting in more bear deaths in actual and perceived defense of life situations in the future. Also, society's willingness to protect grizzly bears and the large tracts of habitat necessary for grizzly bears to survive, might be diminished if bears were allowed to regularly kill and consume people. For these reasons, Yellowstone National Park managers decided the best course of action for the safety of park visitors and residents as well as for grizzly bear conservation, was to permanently remove these bears from Yellowstone National Park.

Personnel from Yellowstone National Park are authorized to take grizzly bears for nuisance bear removal under conditions as described in Section (i) C and D of the grizzly bear 4(d) rule, 50 CFR 17.40(b). With the concurrence of the U.S. Fish and Wildlife Service, grizzly bear #201518 was killed and grizzly bears #201519 and #201520 were sent to the Toledo Zoo in Ohio, an Association of Zoos and Aquariums (AZA) accredited facility. Removal of these grizzly bears was consistent with the *Guidelines for Grizzly Bear Control Action* contained in the *Interagency Grizzly Bear Guidelines* (pages 53-57) which recommend "removal from the population" for grizzly bears involved in "an encounter with people which resulted in a serious human injury or loss of human life."

Acknowledgements

Initial SAR hasty search team members included Dan Hall, Tim Pratt, Jeff Leininger, Rick Fey, Dave Whaley, Earl Drescher, [REDACTED], [REDACTED] Brad Ross, Kerry Gunther, Colette Daigle Berg, Dan Bergum, Eric Johnston, Kelly Adkins, Dan Hall, Matt Stadler, Tim Pratt, Jeff Leininger, Tyler Lindsay, and Adam Burns conducted the investigation of the fatality site. Travis Wyman, Eric Reinertson, Dan Bergum, Eric Johnston, Jeremy Nicholson, Kelly Adkins, Zachary Voyles, and Craig Whitman conducted bear trapping and camera trap operations. Travis Wyman, Eric Reinertson, Dan Bergum, Eric Johnston, Jeremy Nicholson, Kelly Adkins, Zachary Voyles, Craig Whitman, Chad Dickinson, Eric Boyd, Mark Kurzen, Kevin Frey, Jeremiah Smith, Kerry Gunther, and Nate Bowersock conducted bear handling operations. Wendy Hafer, Blake Chartier, Forrest Reinhart, Becky Smith, and Ryan Tripp provided helicopter operations support. Frank van Manen and Mark Haroldson of the Interagency Grizzly Bear Study Team made their staff available for all aspects of the investigation and trapping operations. Pilot Steve Ard conducted fixed-wing aerial reconnaissance operations over the Elephant Back Mountain area. Pilot Jim Ortman flew DNA samples to the Wyoming Laboratory, Craig Whitman processed and prepared DNA samples for shipment. Kimberly Frazier, Tasha Bauman, and Dee Dee Hawk of the Wyoming Game and Fish Wildlife Forensics Laboratory, and, Dave Paetkau, Leanne Harris, Sachi Snively, and other staff at Wildlife Genetics International conducted analysis of bear hair, scat, and saliva samples. Chris Servheen funded all laboratory costs for DNA analyses. Bill Layton conducted the necropsy of adult female grizzly bear #201518. Diana Weinhardt located an AZA accredited Zoo for placement of the cubs. Many other people assisted with all aspects of the investigation, press releases, social media responses, DNA analysis, and management actions.

Appendix A. Montana Veterinary Diagnostic Laboratory necropsy report for the Elephant Back sow (Bear #201518), August 13, 2015.

08/20/2015 Thu 14:27

MDOL fax number

ID: #302 Page 1 of 3



MONTANA VETERINARY DIAGNOSTIC LABORATORY

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KERRY GUNTHER YELLOWSTONE NATL
PARK
PO BOX 168
YELLOWSTONE NATL PAR WY 82190

CASE: 15-879

FINAL REPORT 08/20/15

Name/ID: 215-18
Species: Brown Bear (Grizzly)
Breed: Brown Bear (Grizzly)
Sex: Female Age: Adult
Owner: Yellowstone National Park

Accessioned: 08/13/15
Authorized by: BL

Previous Reports
00/20/15

CASE SUMMARY

Case Summary

Verified on: 08/20/15 by: BL

REASON FOR SUBMISSION:
Human predation

LABORATORY DIAGNOSIS:
Congestion, spleen with multifocal capsular fibrosis
Perirenal hemorrhage, acute, mild with mild hemo-abdomen
Myositis, suppurative (injection site reaction)

COMMENT:

Splenic congestion and the myositis are considered related to the Telazol injection for sedation/anesthesia. The perirenal hemorrhage is acute and is presumed to have occurred because of some traumatic injury from the capture. The hemorrhage was minor and insignificant. The spleen also had capsular fibrosis which is indicative of a past traumatic event with healing. This animal was in an excellent state of preservation and good nutritional state. A scant amount of milk could be expressed from the mammary glands. Gross and histologic lesions to account for the atypical behavior of this animal were not present.

A. W. Layton, DVM, Diplomate, ACVP

PATHOLOGY

Pathology

Verified on: 08/20/15 by: BL

Necropsy was performed by AVL and SKS on 8/13/15 between 10:30 am and 12:30 pm.

GROSS DESCRIPTION:

The carcass is of an adult Grizzly Bear sow in good postmortem and fair nutritional state. Fat stores are moderate. Renal fat varies in thickness from 0.2 cm - 2 cm thick. Musculoskeletal system is normal. Scant amount of milk can be expressed from the mammary gland. Pleural cavity is normal. There is a hematoma on the lateral/caudal pole of the right kidney that occurs pericapsular and does not involve the adjacent kidney. Small amounts of red tinged fluid occur within the abdominal cavity. Left kidney is normal. Ureter and urinary bladder are normal. Spleen is 35x8x5 cm (enlarged) with multiple linear to patch-like capsular fibrosis. Fibrosis does not extend into the deeper parenchyma. Splenic parenchyma is dark red/black and exudes blood. Liver is brown with sharp margins. Gall bladder is filled with green thick bile. Esophagus is normal. The stomach wall in the pyloric region is 2.5 cm thick and primarily involves the tunica muscularis. Pyloric lumen is patent. Stomach has tan/gray rugated mucosa covered by mucus. Small intestine contains a scant amount of yellow thick fluid and few roundworms. The mucosa is tan and smooth to folded. Large intestine contains scant amounts of green mucoid feces. The animal was euthanized via captive bolt method. Otherwise, brain and skull are normal. Reproductive tract is normal. Lungs are partially collapsed, tan and spongy. Heart is normal.

Case No: 15-879 -

Page 1 of 3

Muscle of the left hip has a red opaque fluid and the adjacent musculature is pale (injection site Teazor).

HISTOLOGIC DESCRIPTION:

Tissue sections of eye, brain, mammary gland, skeletal muscle, tongue, heart, spleen, kidney, thyroid gland, parathyroid gland, liver, lung, lymph node, adrenal gland, stomach, intestine, lymph node, urinary bladder, esophagus, uterus and thyroid gland are examined. The internal muscle layer of the tunica muscularis of the stomach is 5 times thicker than the outer layer. Non-staining vacuolar change occurs within the adrenal cortex region of the fasciculated and reticularis. In multiple sections of skeletal muscle along one edge is an inflammatory infiltrate of numerous neutrophils with fewer macrophages. Adjacent musculature is relatively intact yet the interstitium is edematous and infiltrated with smaller numbers of cells. In all sections of spleen, the splenic red pulp is markedly congested.

HISTOLOGIC DIAGNOSIS:

Congestion, spleen with multifocal capsular fibrosis
Peritoneal hemorrhage, acute, mild with mild hemo-abdomen
Myositis, suppurative (injection site reaction)

Hypertrophy, internal layer of tunica muscularis, pyloric region, stomach

FEES:

Hematoxylin & Eosin	0.00
Case Summary	0.00
Histopathology	150.00
Incineration per pound	65.00
Total	215.00

(This is not a bill. Do not make payments from this report.)

On August 07, 2015 at 0901 hours, The Yellowstone Communications Center dispatched Lake Patrol to meet with [REDACTED] at the Lake Clinic.

Ranger Jill PAXTON responded, arriving at Lake Clinic at 0908 hours, where she met with [REDACTED] to take the initial report. While talking, [REDACTED] arrived on scene. Crosby's vehicle ([REDACTED]) and bicycle were at his apartment, and both his back and front doors were left open overnight. CROSBY was supposed to show up for work at 0800 hours.

Ranger Brad ROSS arrived on scene at approximately 0945 hours, and was provided the information. [REDACTED] had already hiked from the Lake Clinic to the Lake Transfer Station earlier that morning (approximately 0700). As a result of this discussion, it was determined that [REDACTED] would hike Elephant Back Trail, and [REDACTED] would hike the shoreline of the Lake from the Ranger Station to Lake Lodge. Both areas were known to clinic staff as high potential areas for CROSBY to frequent. They provided cell phone numbers to PAXTON and began their searches at approximately 1000 hours.

Rangers ROSS and PAXTON returned to the Lake Ranger Station to pull in resources and decide on a course of action. Hasty teams were formed to begin searching the higher probability areas. ROSS informed Ranger Pete WEBSTER of the situation and they discussed the initial plan. Yellowstone Fire Dispatch was brought on as communications for the incident and began working on bringing in resources for a formal search team, including command staff.

ROSS assumed the role of Incident Command, Becky SMITH was located for the position of Plans, Matt STADLER and Jill PAXTON were assigned the role of investigations.

At 1054 PAXTON requested a BOLO through the Yellowstone Communications Center with CROSBY'S description.

At approximately 1130 hours, ROSS received a call from Ranger Dan HALL. HALL said that he was hiking Elephant Back trail where he had run into [REDACTED] whom told him that it had turned into a formal search. HALL was near one of the areas we wanted searched, the north side of the loop of the trail on top of Elephant Back. As the result of our discussion, we decided HALL should search the area north of the trail.

Rangers Tim PRATT and Jeff LEININGER, arrived at Lake Ranger Station at 1137 hours and assisted in putting together resources.

At 1142 hours, Rick FEY was directed to search the shoreline from Bridge Bay to Fishing Bridge using the vessel, "Lake 22."

At 1150 hours, Dave WHALEY and Earl DRESCHER were directed to search the Natural Bridge/Arnica Creek road.

At 1201 hours, HALL called ROSS by phone and said that he had located a mostly buried body within his search area. He said that it appeared to be a bear cache. HALL left the scene due to bear danger and headed back towards the Lake Government Housing Area.

Zach VOYLES was tasked with physically closing the Elephant Back Trailheads and parking areas.

At 1236 hours, DOOLEY requested coroner, Collette DAGLE-BERG, Ranger Bonnie SCHWARTZ

Rangers ROSS, HALL, STADLER, PRATT, LEININGER, Tyler LINDSAY, and Adam BURNS, joined with Bear Management staff Kerry GUNTHER, Dan BERGUM, Eric JOHNSTON, and Kelly ATKINS in the Lake Government Area. This group headed up the Elephant Back Trail at 1303 hours to evaluate the

scene. The group was armed with M-14 rifles and shotguns for lethal cover and shotguns loaded with cracker rounds, and beanbag rounds.

At 1342 hours, ROSS, HALL, GUNTHER, and PRATT split off from the group at the northeast corner of the Elephant Back loop (44.570605°, -110.410480°) to complete the initial scene evaluation. The remaining members of the group stayed on the trail to secure the area.

When we were approximately 100 yards south of the body, we heard a barking/grunting sound GUNTHER said that he thought it might have come from a cub. After that someone said that they saw a bear. My first view of the bear was of it walking toward the east, in and out of the trees. I got my best view of it when it was northeast of our location, approximately 80 yards away. It turned and ran to the northeast. It appeared to have lighter brown hair on the body and darker hair on the lower body and legs.

When we arrived at the scene of the body, HALL and PRATT stood guard and GUNTHER and I investigated the scene.

We found the body at latitude 44.574226°, longitude -110.407684°. The body was lying face down with the head oriented to the southeast. The site was surrounded on three sides, green trees to the west, downed trees to the south and east. Bears had pulled dirt from around the body in all directions and piled it on top of the body.

Description of the body cache: The head was partially buried face down, the hair on the back and top of the head was not covered. The torso was mostly buried with approximately 30% of the left side of the back shirt showing. The left hip, buttocks area was showing, bare skin, significant trauma through the skin and showing muscle. This significant wound did not show any signs of active bleeding. The muscle was dark in color and dry. The legs were completely covered. The hiking boots were showing on top of the dirt, with the left leg crossed over the right, toes of the boots pointing downward. The body was cool to the touch and the injuries showed no signs of perfusion.

There were a couple of bear tracks, which were visible within the disturbed area surrounding the body. The evening light revealed additional tracks in this area. There were tracks of at least two significantly difference sizes; consistent with a small adult and a cub.

Description of area outside of the cache: The ground in the area was littered with pine needles, moss, small sticks, and plants. There was very little exposed dirt with the exception of the cache and a few daybeds. We discovered nine piles of bear scat around the area. I discovered two boot tracks 247 feet north of the body cache by a large rock cairn (the cairn was approximately 5 feet tall by 6 feet in diameter). The tracks were partial, but appeared to be consistent with the tread pattern worn by the victim.

Locations Latitude/Longitude, Datum WGS 84:

- Body 44.574226°, -110.407684°
- Closest part of Elephant Back Trail 44.570605°, -110.410480°
- Boot tracks by rock cairn 44.574892°, -110.407488°
- Daybed 1 44.574369°, -110.407443°
- Hair from leaning tree 44.574154°, -110.407634°
- Scat 1 44.574218°, -110.407722°
- Scat 2 44.574253°, -110.407608°
- Scat 3 44.574181°, -110.407546°
- Scat 4 44.574324°, -110.407443°
- Scat 5 44.574351°, -110.407418°
- Scat 6 44.574235°, -110.407663°
- Scat 7 44.574397°, -110.407531°
- Scat 8 44.574154°, -110.407533°
- Scat 9 44.574098°, -110.407206°

At 1452 hours, I had STADLER's group join us at the site of the body to provide security for the scene. At 1507 hours, I requested a helicopter for the recovery of the body and to fly bear traps into the site. At 1603 hours, HALL and I left the scene to meet with [REDACTED] (victim's wife). GUNTHER and the others remained on scene to continue the area investigation and prepare for the arrival of the helicopter.

At 1628 hours, Ranger Jill PAXTON and I met with [REDACTED] at CROSBY's apartment. At [REDACTED] request, clinic staff [REDACTED] were present. I notified her of CROSBY's death and completed an interview with her. I confirmed with [REDACTED] that she did not want us to provide her with a family liaison. We cleared from the contact at 1714 hours.

I arrived back at the body site at 1823. Deputy Coroner, Colette DAGLE-BERG, and HALL were transported to the body site and arrived before me at 1754 hours. When I arrived at the scene we began processing the scene of the body, and preparing the body for transport.

At 1957 hours, helicopter 2TC transported the body and DAGLE-BERG to the Fishing Bridge Helispot. They met Lake Ambulance 2. Paramedic Pam WINGATE, and General Ranger Karen ROBINSON transported the body to Lake Clinic.

At 2045 hours, all parties were out of the backcountry.

On August 7, 2015 at approximately 1000 hours I received a text message from Lake Clinic staff member [REDACTED]. She stated that Lance (Lance Crosby), also a member of the Lake Clinic staff, did not come in to work on the morning of August 7, 2015 as he was scheduled to. She stated that she contacted Yellowstone Dispatch to file a missing person report. [REDACTED] also stated that she and Lake Clinic staff member [REDACTED] were hiking up Elephant Back Trail. They believed that it was the last known place that Lance had gone on the day of August 6, 2015.

At approximately 1045 hours I hiked up Elephant Back Trail to meet with [REDACTED]. I briefly spoke with them as they were walking back down the trail. They stated that they had walked off the trail to the north and east of the loop. They stated that they had been calling Lance's name and did not hike far because they lost cellphone reception when they hiked off the trail. They mentioned that Lance would hike near a "dump" also. [REDACTED] stated that they were going to attempt to locate this "dump" area to look for Lance. It was during my conversation with [REDACTED] that I was informed that a formal search was beginning and resources were being gathered.

At approximately 1130 hours, I contacted Officer Brad Ross to notify him that I was hiking on Elephant Back Trail in search of Lance. I stated that in previous contacts with Lance, I learned that he would hike up Elephant Back Trail and once on the top of the mountain, would hike along the top towards the northeast. I had heard him and others discussing lightning rods and other historic artifacts along the top ridge of Elephant Back Mountain. Ross concurred with the plan and told me to continue.

I hiked up Elephant Back Trail to the loop intersection and turned right. I proceeded to the top of the mountain on the trail and began to search off trail, where the trail began to loop towards the south and west. I was walking in the direction of northeast along the top of Elephant Back Mountain. As I hiked along the ridge I called out "Lance" and would pause to listen for a response. I did not hear anything after my calls.

As I walked along, I observed what appeared to be a disturbance in the dirt that looked like a recently used day bed, associated with large mammals including deer, elk, bison, and bears. It was an area where debris had been moved away from the dirt, leaving just a bare patch of dirt. I proceeded to look through the area and observed several small areas where the ground had been disturbed including overturned rocks and overturned logs.

While looking through this area, I continued to make noise and call out for Lance. At approximately 1200 hours I observed a mound of dirt with what appeared to be two human feet sticking out with boots on the feet. I was to the northeast of the mound with the feet pointing in my direction. I was unable to see the other side of the mound. I began to scan the area for wildlife and making a large amount of noise. I called Officer Ross using my cellphone to tell him what I had found and in what area.

I proceeded to leave the area and hike down Elephant Back Trail. Along the way I notified hikers that Elephant Back Trail was closed and to leave the area.

I hiked off of Elephant Back Trail and met with the team consisting of Bear Management personnel and Lake Law Enforcement personnel. We hiked up Elephant Back Trail to the location where I had left the trail in search of Lance. I led a team of 4 team members to the location I had found the mound. The rest of the team waited at the trail. The 4 member team consisted of Brad Ross, Tim Pratt, Kerry Gunther, and me. Pratt and Ross were both carrying M14 rifles loaded with lethal ammunition. I was carrying a shotgun loaded with less lethal ammunition including cracker rounds and beanbag rounds. As we approached the area where I had found the mound, I heard a sound that Gunther stated may be a bear cub. We proceeded slowly and as we approached the mound, I observed a bear with dark limbs and a light colored back walking towards the east, away from us.

I led the team to the mound site. I then stood guard with Pratt to ensure that the bear we had seen in the area did not return while Gunther and Ross investigated the area. It was determined that human remains were in the mound. The rest of the team then came to the area to assist with the investigation and to further secure the area.

I then hiked back out of the area with Ross. I gathered supplies for the investigation and met with the medical examiner. The medical examiner and I were flown to a landing zone near the incident scene via helicopter. We proceeded to the scene and I again took post securing the area. The medical examiner began her investigation. She was aware that I knew Lance and asked me to attempt to identify that the human remains found within the mound were those of Lance. I was able to positively identify him based on the distinctive shirt he was wearing (which I had seen him wearing several times prior), his necklace that had his wedding ring on it, and his face.

I remained at the scene, as physical security, until the remains were removed from the area, bear traps were set, and the scene was cleared by all units.

End Report

August 7, 2015

Most queries posed to coworkers, friends, and neighbors in regards to Lance Crosby's habits and nature matched the conclusions presented in the below interviews.

0910 hours

I arrived at Lake Clinic at approximately 0910 hours to meet with [REDACTED] in reference to a Lake Clinic employee, Lance Crosby, who had not shown up for work that day, and who they believed was missing. They described Crosby as being a 63 year old male, in good health other than a hurt ankle (thought it was a high sprain), with dark/graying short hair. [REDACTED] had a picture of Crosby she emailed to me for the BOLO. They reported that Crosby came by the Lake Clinic around 1200 hours [REDACTED] was working the desk), that his wife, [REDACTED] had last spoken to Crosby around 1100 hours (confirmed the time as being 1016 from [REDACTED] and that [REDACTED] (Lake Clinic Maintenance) was the last to see Crosby, at around 1300 hours. They said when Crosby spoke with his wife, that he had told her he was heading up Elephant Back.

[REDACTED] relayed that Crosby's mother had passed away 2-3 weeks ago, [REDACTED] reported that Crosby seemed to be dealing with both incidents, and did not seem suicidal, citing [REDACTED] as a reason he would not consider it. They also reported that at a dinner Lake Clinic had on Wednesday (08/05/2015), Crosby was very open about both incidents, and seemed to be coping fine.

[REDACTED] reported that Crosby tends to walk along the lake shore from Bridge Bay to Fishing Bridge, at different areas off trail around Elephant Back, and around Turbid Lake. [REDACTED] had already checked the trail from Lake Clinic to the Bridge Bay area and had not seen him. [REDACTED] also walked along Elephant Back earlier that morning and had not seen Crosby.

Crosby should have reported to work at Lake Clinic at 0800 hours on 08/07/2015. Crosby was originally scheduled to be off that day, however he had switched with [REDACTED] so she could have the day off. [REDACTED] said she had confirmed with Crosby on 08/06/2015 that he was still good to cover for her the next day (08/07/2015). They emphasized Crosby would not have been late to work, and that he should have called his wife [REDACTED] before bed, and when he woke up the next morning (his usual routine).

[REDACTED] noted that Crosby's front and back doors had been propped open since the night prior (08/06/2015) – noticed between 1800 and 1900 hours. Crosby's vehicle [REDACTED] and bicycle were both still at his apartment. [REDACTED] and I walked over to his apartment to see if there was anything out of the ordinary about the place. The apartment was still open. At this time, we discovered Crosby's cell phone lying on a table between his bed and

couch. The apartment was very clean with no apparent signs of struggle, and the pack Crosby usually took when hiking was still in his apartment. When asked about firearms, both [REDACTED] [REDACTED] said they did not think Crosby owned any, and that Crosby did not tend to carry bear spray, or to their knowledge, any weapons while hiking.

After speaking with me, both [REDACTED] left to re-hike Elephant Back, emphasizing areas they knew Crosby liked to go off trail at.

For more details, refer to Statement Forms from both [REDACTED]

0935 hours

[REDACTED] arrived at Crosby's apartment while I was speaking with [REDACTED] asking if there was anything they could do to help. They had not seen Crosby since a group dinner on Wednesday night (08/05/2015). Both [REDACTED] mentioned Crosby was dealing with the recent death of his mother, [REDACTED] however they reported Crosby was working through it and seemed to be in good spirits. They also agreed with [REDACTED] that Crosby was not suicidal, and would not have skipped calling his wife in the evening or in the morning without due cause. After our interview, [REDACTED] searched along the lake shore for Crosby from approximately the Lake Boat House to Fishing Bridge. They reported not seeing anything to [REDACTED] who relayed the update to me.

1030 hours

[REDACTED] Called [REDACTED] the last person reported to see Crosby alive. Initially, [REDACTED] reported he last saw Crosby on 08/06/2015 at approximately 1300 hours, however when retracing his timeline he refined his estimate to between approximately 1000 and 1100 hours. [REDACTED] last saw Crosby at the Lake Clinic wearing khaki pants and a long sleeve colorful shirt. They talked about a bottle opener [REDACTED] had borrowed from Crosby, which [REDACTED] later returned to Crosby's apartment at approximately 1300 the same day. [REDACTED] noted Crosby's front door was unlocked and open at the time that he returned the bottle opener. [REDACTED] suggested we check along the lakeshore in front of the Lake Lodge and Lake Hotel, around Elephant Back, and around Turbid Lake for Crosby. [REDACTED] also noted that Crosby would not have gone off with anyone other than the Lake Clinic staff, and if he had, he probably would have told his wife, friends (mentioned [REDACTED], or neighbors [REDACTED] about it.

1145 hours

[REDACTED] Called Lake Clinic to speak with [REDACTED] the last people to, time wise, last see Crosby alive. [REDACTED] reported seeing Crosby at Lake Clinic around 1200 hours wearing a khaki pants and a long sleeve shirt. [REDACTED] reported last seeing Crosby at Lake

Clinic between 1130 and 1200 hours wearing a “flannel plaid shirt with bright colored rainbow squares.” [REDACTED] reported he looked the same as the group picture taken at the beginning of the summer for Clinic staff, ie, he had not changed his hair style or grown any facial hair. Refer to [REDACTED] Statement Form for more details.

SUMMARY:

On 08/07/2015, I (Ranger Stadler) was involved in the search and body recovery of LANCE CROSBY. The following is a summary of a phone interview I conducted with CROSBY's wife, [REDACTED]

DETAILS OF INTERVIEW:

On 08/07/2015, at approximately 11:00 hours, I (Ranger Stadler) was off duty and at home. District Ranger Brad Ross, called me by phone and informed me that a search was in progress for a missing hiker. Ranger Ross asked if I was available to come into the office and assist with the investigation aspects of the search.

At approximately 11:30 hours, I arrived at the Lake Ranger station and met with Ranger Ross and filled in with what information was already known.

I started my investigation by talking to CROSBY's wife, [REDACTED] on the phone at approximately 11:50 hours.

[REDACTED] said that when she found out that her husband had not shown up for his 08:00 hours shift on the morning of 08/07/2015, she was starting to make her way to his seasonal house in Lake Village. When I spoke with her she was arriving in Cody, WY and was on her way to the park.

[REDACTED] said she last spoke with her husband on 08/06/2015, between the hours of 10:00-11:00 in the morning. He was on his way up Elephant Back Trail. A trail he was very familiar with and had hiked multiple times.

[REDACTED] described her husband as a reliable, dependable, and unselfish person. She said it was completely out of his character to not show up for work.

[REDACTED] said he often hikes alone and often goes off trail. She stated that if she could see which shoes were missing from his house, she would have a better way of knowing what kind of hike CROSBY had gone on.

She said CROSBY also takes evening walks along the lake shore. [REDACTED] told me that CROSBY was recovering from a recent injury and so she didn't think he would have gone too far.

At this time, I was informed by the command staff that a body had been found off trail on Elephant Back. I told [REDACTED] that I thought she gave me a good place to start and asked if she could come straight to the Lake Ranger Station upon her arrival so I could speak with her more. She agreed and we ended our phone conversation.

SUMMARY:

On 08/07/2015, I (Ranger Stadler) was involved in the search and body recovery of LANCE CROSBY. The following is my involvement in the field.

DETAILS OF INCIDENT:

On 08/07/2015, at approximately 11:00 hours, I (Ranger Stadler) was off duty and at home. District Ranger Brad Ross, called me by phone and informed me that a search was in progress for a missing hiker. Ranger Ross asked if I was available to come into the office and assist with the investigation aspects of the search.

At approximately 11:30 hours, I arrived at the Lake Ranger station and met with Ranger Ross and filled in with what information was already known.

At approximately 12:00 hours, I was on the phone with CROSBY's wife, [REDACTED]. She informed me that she was on her way to CROSBY's summer residence in Lake Village and was at Cody, WY currently. While talking with her, I was informed by Ranger Jill Paxton that a body had been found by searchers in the field. Since [REDACTED] was driving into the park, I asked her to come to the Lake Ranger Station and I could finish speaking with her when she arrived.

A team of rangers were staged at the Lake horse corrals to hike to the site of the found body. The following were on the initial team. Ranger Ross, Ranger Dan Hall, Ranger Tim Pratt, Ranger Jeff Leininger, Ranger Tyler Lindsay, Paramedic Adam Burns, and myself. In addition four members of the parks Resource Management team hiked in as well. Those members were, Kerry Gunther, Eric Johnston, Kelly Atkins, and Dan Bergum.

Leaving the housing area we hiked up the Elephant Back Trail and when we reached the Loop Junction, we stayed to the right and continued up. Approximately one to one and a half miles from the trailhead, the trail leveled out.

At this point, Rangers Ross, Hall, Pratt, and Gunther broke off and formed Team 1. This team went into the site where the body was found to insure that there were no bears present and that the site was safe to work in.

Ranger Ross appointed me as radio contact for Team 2 and we remained on the trail. While we were separated, Team 2 contacted a couple groups of hikers. We informed them that the trail was closed and asked them to hike straight out to the trailhead. After approximately 15 minutes, Team 1 informed us via radio, of a sow grizzly bear and cub in the area. After approximately 30 minutes, Ranger Ross asked for Team 2 to leave the trail and hike into the site.

Team 1 and Team 2 rejoined at the scene. At this time no one had disturbed the body or the cache site. The Resource Management crew walked around the site collecting bear scats and bear hair from areas

of bear disturbance. Ranger Ross was coordinating various efforts by phone. The rest of the team formed a perimeter and kept a watch for any wildlife or safety issues.

After a few hours, Rangers Ross and Hall hiked down to the trailhead. Ranger Ross appointed me as radio contact. Ranger Ross exited to coordinate bear trapping efforts and the body recovery efforts.

During the time Ranger Ross left the site and until her returned later that evening, no one had touched or disturbed the body or cache site.

While we waited for the Ranger Ross, the coroner, and the bear traps to arrive we continued looking for bear sign, evidence, and any wildlife entering the area.

After approximately one to two hours, a helicopter delivered two bear traps. Rangers Hall and the coroner were dropped off and Ranger Ross hiked back in.

While the Resource Management crew set the bear traps, the evidence gathering and processing of the body and cache site began.

Rangers Ross and I, Gunther, and the coroner unearthed the body and bagged evidence from the cache site.

The body was placed into a body bag and flown to the Lake Clinic.

The body was positively identified as CROSBY by Ranger Hall.

After the bear traps were set, all personal exited the scene and hiked out to the trailhead.

END REPORT

NP15108913 Crosby SAR & Fatality



Ball Cap in relation to body



Ball Cap in relation to left foot



Body 1



Body 2

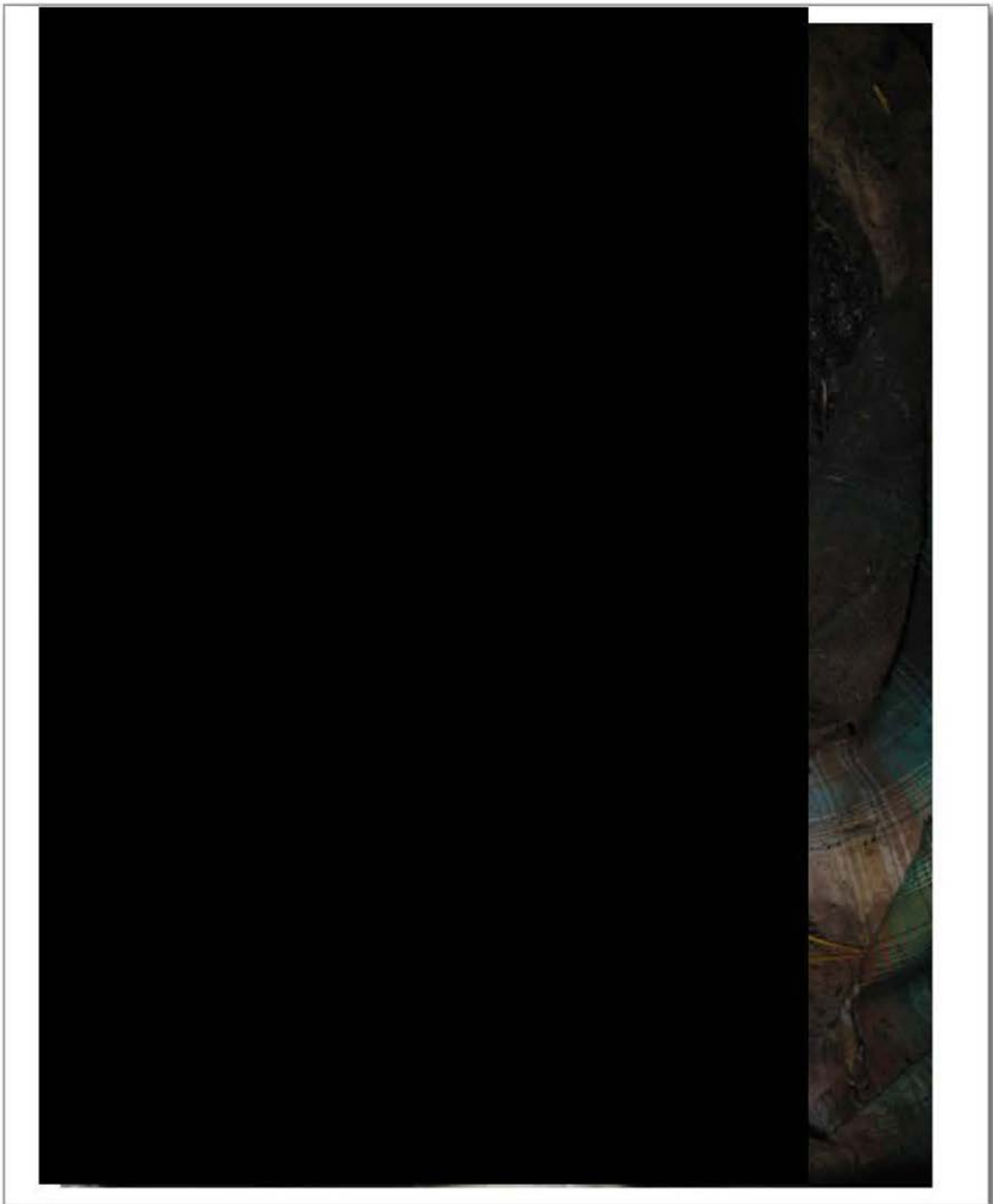
NP15108913 Crosby SAR & Fatality



Cached body close view



Cached body wide view



Canine bit wound right forearm



Initials

NP15108913 Crosby SAR & Fatality



Large Rock Carin



Lightning Rod



Pile of Red Obsidian



Vacuum tube

NP15108913 Crosby SAR & Fatality



IMG_1191: 2015-08-07 18:18



IMG_1192: 2015-08-07 18:18



IMG_1193: 2015-08-07 18:18



IMG_1194: 2015-08-07 18:19

NP15108913 Crosby SAR & Fatality



IMG_1195: 2015-08-07 18:19



IMG_1196: 2015-08-07 18:19



IMG_1197: 2015-08-07 18:20



IMG_1198: 2015-08-07 18:20

NP15108913 Crosby SAR & Fatality



IMG_1199: 2015-08-07 18:21



IMG_1200: 2015-08-07 18:22



IMG_1201: 2015-08-07 18:25



IMG_1202: 2015-08-07 18:25

NP15108913 Crosby SAR & Fatality



IMG_1203: 2015-08-07 18:25

NP15108913 Crosby SAR & Fatality



20150807_133528



20150807_133547



20150807_133601



20150807_135630

NP15108913 Crosby SAR & Fatality



20150807_135659



20150807_135716



20150807_135748



20150807_135752

NP15108913 Crosby SAR & Fatality



20150807_135821



20150807_135824



20150807_135840



20150807_135847

NP15108913 Crosby SAR & Fatality



20150807_140103



20150807_140132



20150807_140138



20150807_140155

NP15108913 Crosby SAR & Fatality



20150807_140159



20150807_140205



20150807_140233



20150807_140238

NP15108913 Crosby SAR & Fatality



20150807_140307



20150807_140313



20150807_140347



20150807_140355

NP15108913 Crosby SAR & Fatality



20150807_140451



20150807_140501



20150807_140506



20150807_140529

NP15108913 Crosby SAR & Fatality



20150807_140554



20150807_140617



20150807_140723



20150807_140731

NP15108913 Crosby SAR & Fatality



20150807_140807



20150807_140841



20150807_140848



20150807_140928

NP15108913 Crosby SAR & Fatality



20150807_141011



20150807_141016



20150807_141024



20150807_141027

NP15108913 Crosby SAR & Fatality



20150807_141045



20150807_141055



20150807_141119



20150807_141133

NP15108913 Crosby SAR & Fatality



20150807_141250



20150807_141306



20150807_141310



20150807_141314

NP15108913 Crosby SAR & Fatality



20150807_141320



20150807_141422



20150807_141500



20150807_141816

NP15108913 Crosby SAR & Fatality



20150807_141844



20150807_141856



20150807_141900



20150807_141907

NP15108913 Crosby SAR & Fatality



20150807_141915



20150807_142226



20150807_142240



20150807_142344

NP15108913 Crosby SAR & Fatality



20150807_142356



20150807_142450



20150807_152543



20150807_152554

NP15108913 Crosby SAR & Fatality



20150807_182952



20150807_183010



20150807_183044



20150807_183117

NP15108913 Crosby SAR & Fatality



20150807_183259



20150807_183323



20150807_183530



20150807_183538

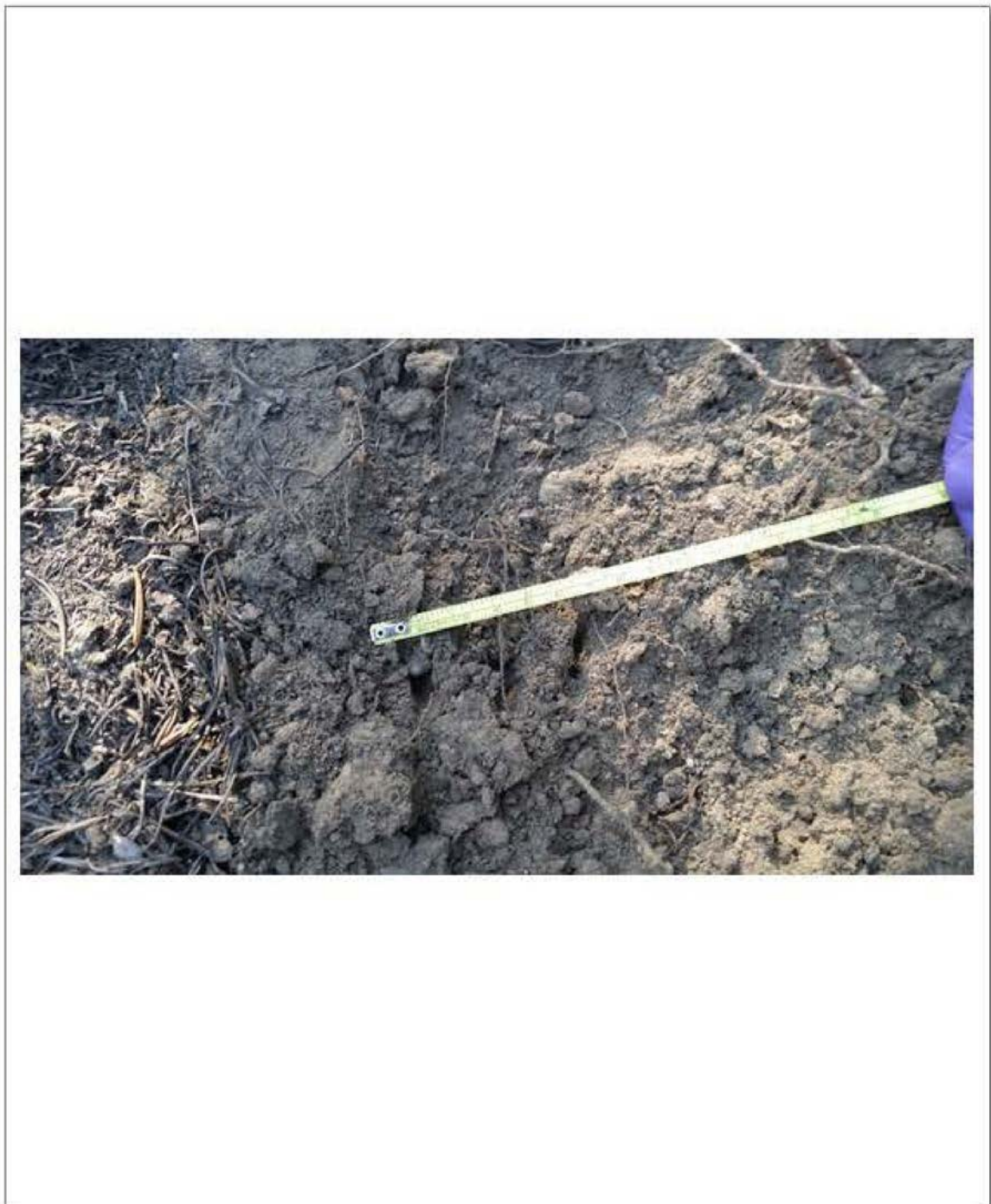
NP15108913 Crosby SAR & Fatality



20150807_184103



20150807_184111




20150807_184213



20150808_160707

NP15108913 Crosby SAR & Fatality



DANGER: You Are Entering Bear Country

All of Yellowstone is inhabited by black and grizzly bears. There are inherent dangers associated with hiking in bear country. **THERE IS NO GUARANTEE OF YOUR SAFETY.** While attacks are rare, visitors have been injured and killed by bears. The chances of being attacked by a bear may be reduced by adhering to the following guidelines:

WHEN HIKING

- Make noise to announce your presence. Use extra caution where vision is obstructed.
- Be alert and aware of your surroundings, and watch for tracks, scat, and carcasses.
- Stay on maintained trails and keep children close to reduce the risk of surprising a bear.
- Do not hike after dark.
- Hiking alone is discouraged.
- Avoid carcasses; a bear may be out of sight, guarding its food.
- Never intentionally approach or attempt to feed bears or other wildlife.

WHEN CAMPING

- Avoid carrying and using odorous foods.
- "Pack It In, Pack It Out." Carry out all trash including food waste.
- Sleeping areas should be 100 yards or more from your food storage and cooking area whenever possible.

WHEN FISHING

- Dispose of entrails by puncturing the air bladder and throwing them into deep water, at least 100 yards from the nearest campsite or trail.
- Do not clean fish in backcountry campsites.

FOOD STORAGE REGULATIONS

apply to ALL backcountry users

- All food and odorous items, including cooking gear, toiletries, and trash, must be properly stored when not in your immediate possession or when not in use and directly attended.
- Proper food storage means that all food and odorous items must be suspended at least 10 feet above the ground and 4 feet out from the trunk of the tree or secured in a metal bearproof storage container located at some campsites.
- Designated backcountry campsites have food storage poles to make food storage easier. Carry a minimum of 35 feet of rope.

If You Encounter a Bear:

Stay calm. Do not run. Do not make sudden movements or loud noises.

- Slowly retreat or back away, but stop if this seems to agitate the bear.
- Avoid direct eye contact; talking quietly and calmly to the bear may help.

If a Bear Charges:

Stand still, do not run. If a bear charges it may be a bluff charge.

- If you are charged, bear pepper spray is a good last defense, but it must be instantly available and not in your pack. Become familiar with its use, read instructions, and know its limitations. Remember, carrying pepper spray is not a substitute for vigilance and good safety precautions in bear country.

If the Bear Makes Physical Contact:

Drop to the ground and play dead.

- Lie face down and clamp your hands over the back of your neck.
- Remain still and stay silent to convince the bear that you are not a threat.
- Wait several minutes after the bear leaves before getting up and leaving the area.

Important! Better nature is valuable in helping to protect both visitors and bears. Please report all carcasses, bear sightings, bear signs, damage, or personal injuries to a park ranger. Additional information on bear country is available at backcountry offices and visitor centers.

20150808_160728

United States Department of the Interior National Park Service

Case Title	Crosby Fatality	Case Number	NP15108913
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Location	N 44.570605, W -110.410480	Incident Date	8/7/2015
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Report Subject	Lance Crosby
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PHOTOGRAPHY LOG



Camera:		Canon Powershot ELPH 330HS
Photographer:		Brad Ross
Date of Photos:		8/7/2015
Time of Photos:		8/7/2015 6:18 PM - 6:25 PM
Location of Photos:		V:\RANGER REPORTS - restricted\2015 Supporting Documents\NP15108913 restricted
#	Image # or ID	Description of Photo Subject
1	IMG_1191	Bear track southeast of the body.
2	IMG_1192	Close-up of beartrack southeast of the body.
3	IMG_1193	Beartrack near the body.
4	IMG_1194	Same photo as IMG_1192, with tape measure across track.
5	IMG_1195	Close-up of beartrack southeast of the body with tape measure across track.
6	IMG_1196	Same photo as IMG_1192, with tape measure lengthwise over track.
7	IMG_1197	Same photo as IMG_1192, with tape measure lengthwise over track.
8	IMG_1198	Beartrack east of the body, with tape measure across track.
9	IMG_1199	Beartrack near the body.
10	IMG_1200	Same photo as IMG_1199, with tape measure lengthwise over track.
11	IMG_1201	Beartrack near the body.
12	IMG_1202	Same photo as IMG_1201, with tape measure lengthwise over track.

United States Department of the Interior
National Park Service

13	IMG_1203	Same photo as IMG_1201, with tape measure lengthwise over track.
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United States Department of the Interior National Park Service

Case Title	Crosby Fatality	Case Number	NP15108913
Location	N 44.570605, W -110.410480	Incident Date	8/7/2015
Report Subject	Lance Crosby		

PHOTOGRAPHY LOG

Camera:	Samsung-SM-G900V
Photographer:	Brad Ross
Date of Photos:	8/7/2015, 8/8/2015
Time of Photos:	8/7 1335-1842, 8/8 1607



#	Image # or ID	Description of Photo Subject
1	20150807_133528	Approximate location that the subject is suspected to have left the Elephant Back Trail. Approximate lat./long. N 44.570605, W -110.410480
2	20150807_133547	Approximate location that the subject is suspected to have left the Elephant Back Trail. Approximate lat./long. N 44.570605, W -110.410480
3	20150807_133601	Approximate location that the subject is suspected to have left the Elephant Back Trail. Looking northeast. Approximate lat./long. N 44.570605, W -110.410480
4	20150807_135630	Overview of scene, including body. Photo taken from a point southeast of the body
5	20150807_135659	Mid range view of scene, including body. Photo taken from a point southeast of the body
6	20150807_135716	Close-up view of scene, including body. Photo taken from a point southeast of the body
7	20150807_135748	Close-up view of body. Photo perspective south-southeast of head. 44.574226°, -110.407684°.
8	20150807_135752	Close-up view of lower 2/3 of body, and digging marks from bears.
9	20150807_135821	Close-up view of scene south and west of the body.
10	20150807_135824	Close-up view of the scene south of the body.
11	20150807_135840	Mid range view of the scene south of the body. Bear tracks.
12	20150807_135847	Bear tracks south of the body.

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13	20150807_140103	Mid range view of scene, including body. Photo taken from a point southeast of the body
14	20150807_140132	Attempting to show a single bear track. Located approximately 20 feet southeast of the body.
15	20150807_140138	Same photo as 20150807_140132 with a pen for reference.
16	20150807_140155	Bear tracks and digging. Located approximately 20 feet southeast of the body.
17	20150807_140159	Digging near small tree southeast of the body. Partial bear tracks.
18	20150807_140205	Digging near small tree southeast of the body. Partial bear tracks.
19	20150807_140233	Digging just southeast of the body. This is the edge of the disturbed area of the body.
20	20150807_140238	Attempting to show the disturbed area near the body. There are bear tracks varying in the amount of completeness throughout the photo.
21	20150807_140307	Close-up of the body location. Taken just northeast of the feet.
22	20150807_140313	Attempting to show a vacuum tube, which is located a couple of feet northeast of the body.
23	20150807_140347	Single, complete front foot bear track. East of the body.
24	20150807_140355	Same photo as 20150807_140347 with a pen for reference.
25	20150807_140451	Overview of the scene from the north. Bear scat bottom center of photo.
26	20150807_140501	Close-up of bear scat 6. Sown on photo 20150807_140451. 44.574235°, -110.407663°
27	20150807_140506	Same photo as 20150807_140501 with a pen for reference.
28	20150807_140529	Mid-range view from the north.
29	20150807_140554	Close-up of body scene from the north.
30	20150807_140617	Close-up of body scene from the north.

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31	20150807_140723	Beartrack north of body.
32	20150807_140731	Same photo as 20150807_140723 with a pen for reference.
33	20150807_140807	Bear digging and tracks north of the body.
34	20150807_140841	Bear track north of the body.
35	20150807_140848	Same photo as 20150807_140841 with a pen for reference.
36	20150807_140928	Close-up of body scene from the north.
37	20150807_141011	Overview of scene, including body. Photo taken from a point west of the body.
38	20150807_141016	Digging marks west of the body.
39	20150807_141024	Mid-range of scene, including body. Photo taken from a point west of the body.
40	20150807_141027	Mid-range of scene, including body. Photo taken from a point west of the body.
41	20150807_141045	Claw marks in soil west of the body.
42	20150807_141055	Same photo as 20150807_141045 with a pen for reference.
43	20150807_141119	Digging marks southwest of the body
44	20150807_141133	Bear scat 1. Southwest of the body. 44.574218°, -110.407722°
45	20150807_141250	Digging marks south of the body.
46	20150807_141306	Close-up of body torso. Taken from south side.
47	20150807_141310	Close-up of body waist and legs. Taken from south side.
48	20150807_141314	Close-up of lower legs and north side of scene.

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49	20150807_141320	Close-up of lower legs and north side of scene.
50	20150807_141422	Bear track from front paw. Near body.
51	20150807_141500	Same photo as 20150807_141422 with a pen for reference.
52	20150807_141816	Bear track near body.
53	20150807_141844	Bear scat northeast of the body.
54	20150807_141856	Same photo as 20150807_141844 with a pen for reference.
55	20150807_141900	Bear scat northeast of the body.
56	20150807_141907	Close-up of bear scat northeast of the body.
57	20150807_141915	Bear scat approximately 50 feet north of the body.
58	20150807_142226	Boot track by rock cairn (247' north of body). 44.574892°, -110.407488°
59	20150807_142240	Same photo as 20150807_142226 with a pen for reference.
60	20150807_142344	Boot track by rock cairn (247' north of body). 44.574892°, -110.407488°
61	20150807_142356	Same photo as 20150807_142344 with a pen for reference.
62	20150807_142450	Overview of of rock cairn 105' north of body.
63	20150807_152543	Overview of blood on rock. West of the body.
64	20150807_152554	Close-up of blood on rock. West of the body.
65	20150807_182952	Attempting to show bear track. Southeast of the body.
66	20150807_183010	Attempting to show bear track. Southeast of the body.

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67	20150807_183044	Bear track southeast of the body. With measuring tape across track.
68	20150807_183117	Bear track east of the body. With measuring tape across track.
69	20150807_183259	Bear track near body.
70	20150807_183323	Bear track near body, with measuring tape across track.
71	20150807_183530	Bear track near body.
72	20150807_183538	Bear track near body, with measuring tape across track.
73	20150807_184103	Attempting to show track near body.
74	20150807_184111	Claw marks in soil near the body.
75	20150807_184213	Claw marks in soil near the body. Measuring tape in photo.
76	20150808_160707	Elephant Back Trailhead sign
77	20150808_160728	Close-up of Bear Country sign on Elephant Back Trailhead



National Park Service
U.S. Department of the Interior

Yellowstone National Park
PO Box 168
Yellowstone National Park, WY 82190

Statement Form:

In your own words describe the WHO, WHAT, WHEN, WHERE, & HOW.

I last saw Lance Crosby on the am of 8-6 at approx 0900. He was snoring outside his apartment which is next door to mine. He was in a good mood we discussed the previous day in clinic. The following am I met at 0645 with [REDACTED] I went up elephant track for approx 10. She mentioned during that time that she was worried that Lance wasn't around. She noted that he had contacted his wife the previous night & the door to his apartment was open. We knew he was to be at work at 0800 & both felt sure he knew he was to work as well. Upon return to our apts we noted his door was open & wasn't around. We asked another nurse in area if she had seen him last night or this am. She said no. When we confirmed he wasn't at clinic I called the Comm center & →

(Use Reverse Side if Needed)

I have read this statement and have been given the opportunity to make correction thereon. I attest that this statement is true and correct to the best of my knowledge, and that I gave this statement freely and voluntarily, without coercion or reward.

Signed: [REDACTED]

Date: 8-30-15

Time: 1750

SHADED AREA TO BE COMPLETED BY OFFICER

Name: [REDACTED]	Permanent Address: [REDACTED]
Date of Birth: [REDACTED]	OLN Number/State: [REDACTED]
SSN: [REDACTED]	Number of Pages: Page 1 of 1 Pages
Local address: [REDACTED]	If residence in park, employer: [REDACTED]

Statement given to (Ranger):

J. Paxton

Date/Time:

08/31/2015 1305

Case Number:

NP15108913

Statement Form:

Requested to file a missing person's report.
This was the age of 87 at approx 0830.

I have read this statement and have been given the opportunity to make correction thereon. I attest that this statement is true and have this statement freely and voluntarily, without coercion or reward.

Signed

Date: 8-30-15

Time: 1750

Revised 08/12/04 CANYON



National Park Service
U.S. Department of the Interior

Yellowstone National Park
PO Box 168
Yellowstone National Park, WY 82190

Statement Form:

In your own words describe the WHO, WHAT, WHEN, WHERE, & HOW.

At some time between 11AM and 12AM on 8/6/2015, Lance Crosby came into the clinic and spoke with me. We hugged, he slapped me hard on the back - it hurt! - and I told him about my trip to Denver. He did not tell me about his daily plans. He was wearing a flannel plaid shirt with bright colored rainbow squares. He stopped by the front desk to speak to [REDACTED]. I continued to work and to my knowledge he then left the clinic. I did not see him again that day.

(Use Reverse Side if Needed)

I have read this statement and have been given the opportunity to make correction thereon. I attest that this statement is true and correct to the best of my knowledge, and that I gave this statement freely and voluntarily, without coercion or reward.

Signed: [REDACTED]

Date: 8/29/15

Time: 10:00 AM

SHADED AREA TO BE COMPLETED BY OFFICER

Name: [REDACTED]	Permanent Address: [REDACTED]
Date of Birth / Age: [REDACTED]	OLN Number/State: [REDACTED]
SSN: [REDACTED]	Number of Pages: Page 1 of 1 Pages
Local Address: [REDACTED]	If residence in park, employer: [REDACTED]

Statement given to (Ranger):

J. Paxton

[Signature]

Date/Time:

08/29/2015 1005

Case Number:

NP15061154

UPDATED 08/15/04 CANYON



National Park Service
U.S. Department of the Interior

Yellowstone National Park
PO Box 168
Yellowstone National Park, WY 82190

Statement Form:

In your own words describe the WHO, WHAT, WHEN, WHERE, & HOW.

I last saw Lance Crosby on 8/6 @ the clinic, time uncertain, probably morning around 1100. When I walked home after work around 2100, his front door was opened & lights were on. I was not concerned, assuming he was with friends. ^{* did talk to because she hadn't heard from him.} The next morning, 8/7, I went out @ 0615 to do my morning hike with [redacted] up Elephant back. We both took notice his door was opened but thought he was out for his morning walk before his shift. When we returned close to 0800 he was not in his apt & not @ clinic. [redacted] & I then saw [redacted] & asked if she had seen Lance the night before, which she hadn't. I also called [redacted] to check with him. He had left the park on 8/6 for Livingston.
(Use Reverse Side if Needed)

I have read this statement and have been given the opportunity to make correction thereon. I attest that this statement is true and correct, to the best of my knowledge, and that I gave this statement freely and voluntarily, without coercion or reward.

Signed: [redacted]

Date: 8/30/15

Time: 0835

SHADED AREA TO BE COMPLETED BY OFFICER

Name: [redacted]	Permanent Address: [redacted]
Date of Birth / Age: [redacted]	OLN Number: [redacted]
SSN: [redacted]	Number of Pages: _____ Page _____ of _____ Pages
Local address: [redacted]	If residence in park, employer: Medcor-employee

Statement given to (Ranger): J. Paxton

Date/Time: 08/30/2015 1420

Case Number: NP15108913

Statement Form:

At this time it was around 0815, I called [REDACTED] Lance's wife to see if she had ended up hearing from him either the night before or in the morning. She had not. [REDACTED] & I decided that she would get ready to head to a meeting & I would walk down the dog path, which was a frequent walk for Lance. Upon my return, [REDACTED] & I tried to call Erik A. to see what he suggested. When we didn't get in touch with him, [REDACTED] called the Comm Center. I was wanting to go up Elephant back, & texted Dan H. knowing it was his day off & thinking [REDACTED] might need to leave. Before going out again, we spoke with Jill P. & gave her our report that Lance was missing.

At that point we were in touch with NPS when [REDACTED] & I went up Elephant back.

I have read this statement and have been given the opportunity to make correction thereon. I attest that this statement is true and correct to the best of my knowledge, and that I gave this statement freely and voluntarily, without coercion or reward.

Signed: [REDACTED]

Date:

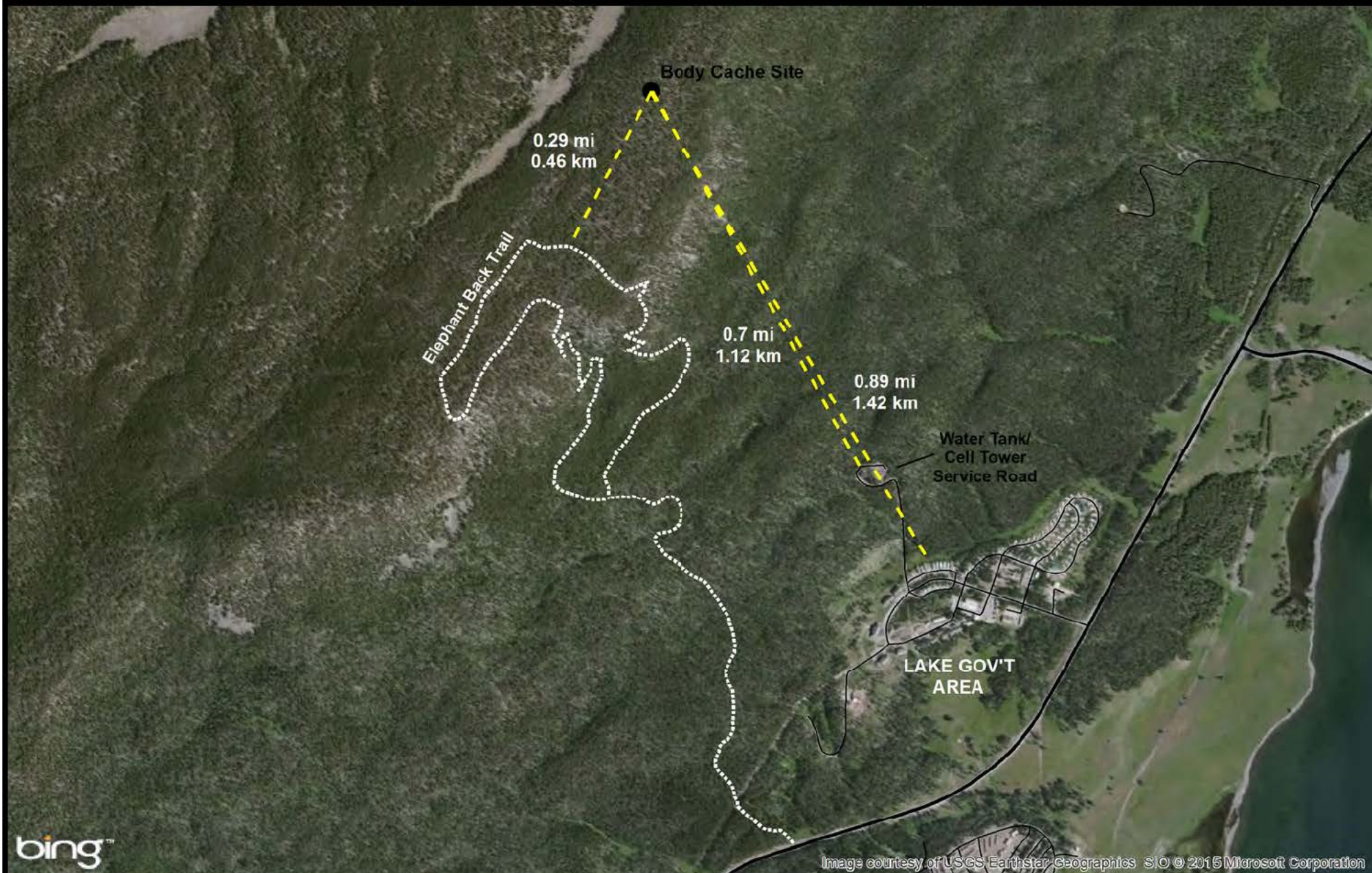
8/30/15

Time:

0835

Revised 08/12/04 CANYON

Crosby Fatality



bing

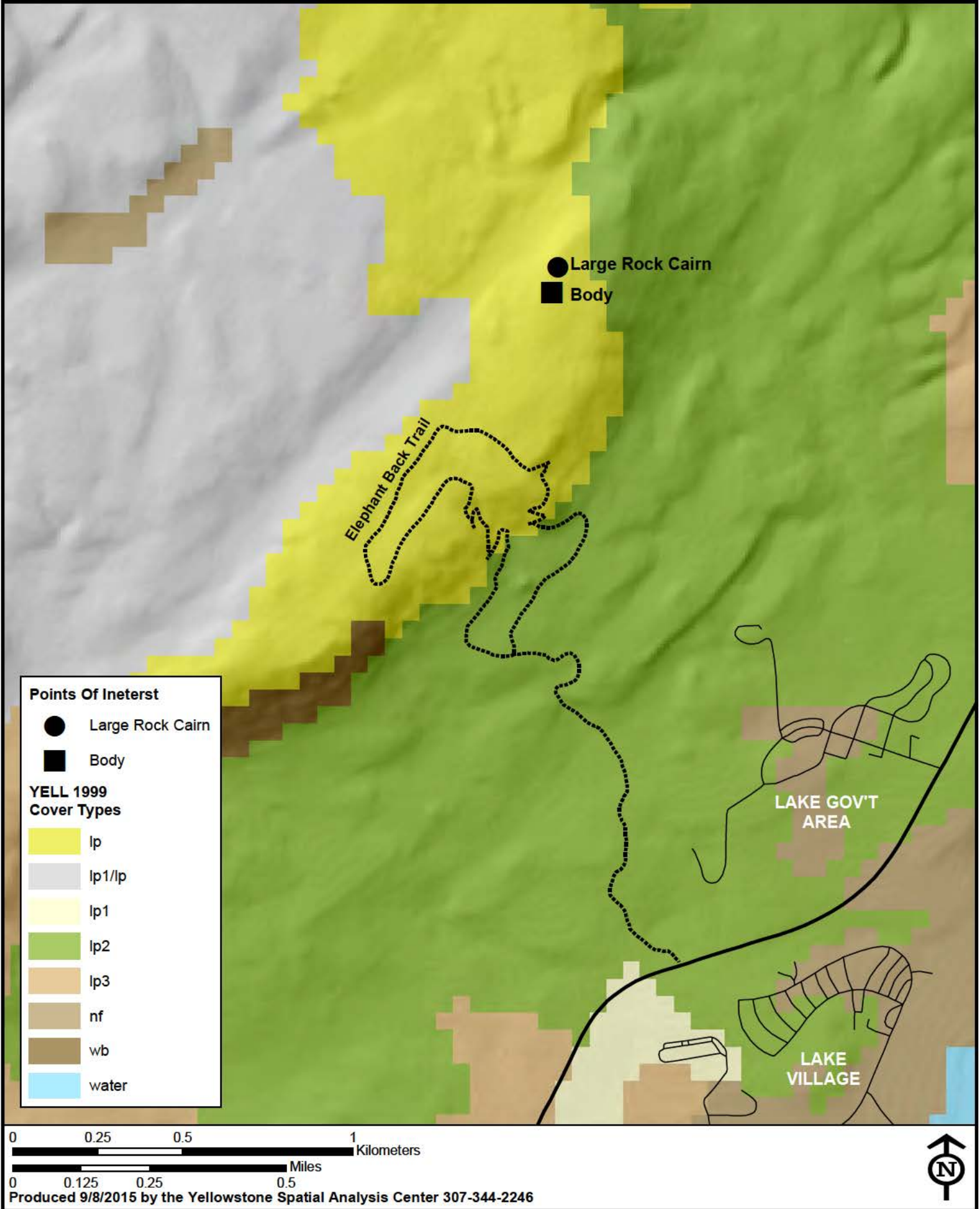
0 0.25 0.5 1 Kilometers
0 0.25 0.5 1 Miles

Produced 10/20/2015 by the Yellowstone Spatial Analysis Center 307-344-2246

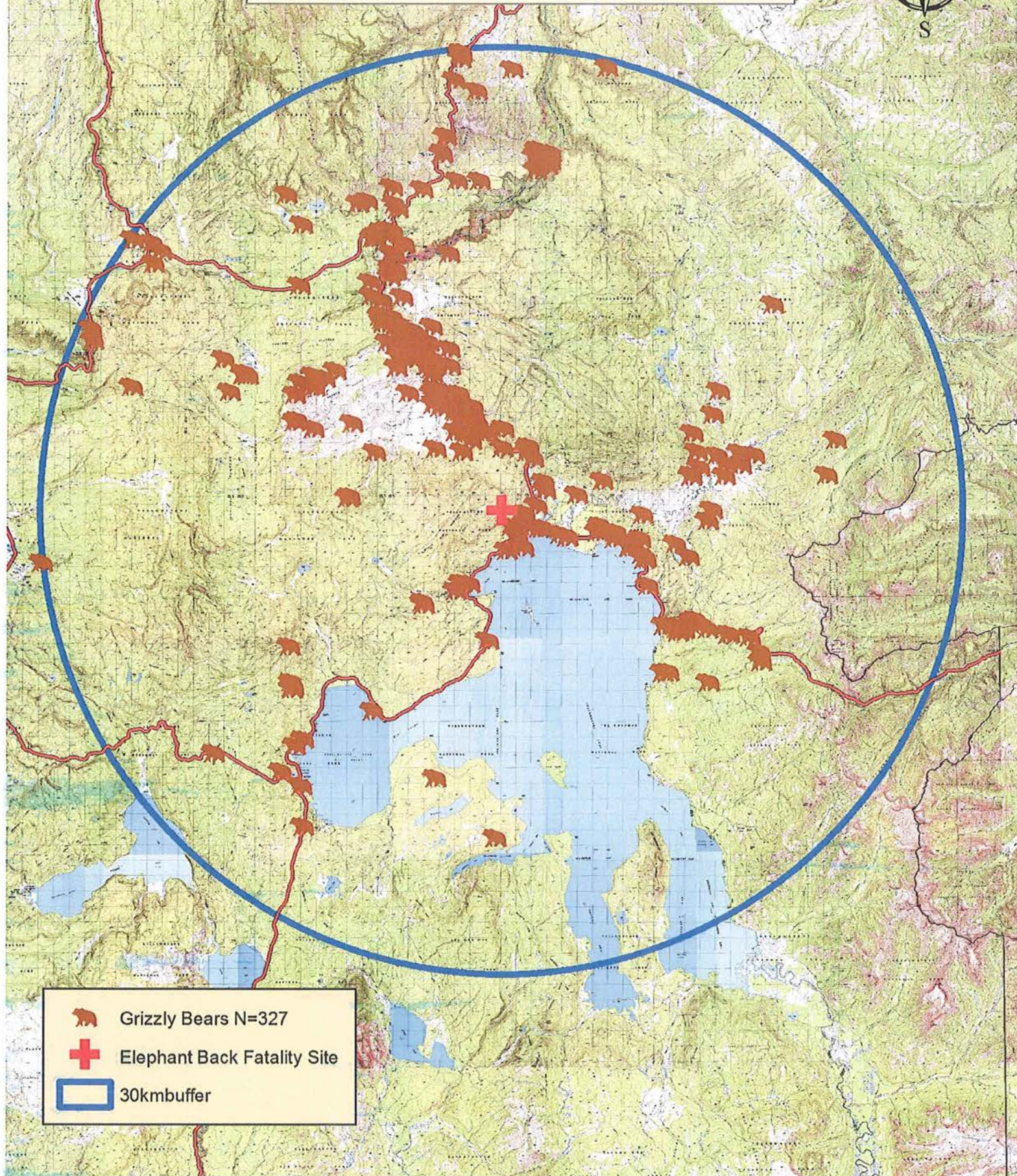
- Body Cach Site
- Trails
- Primary Roads
- Secondary Roads



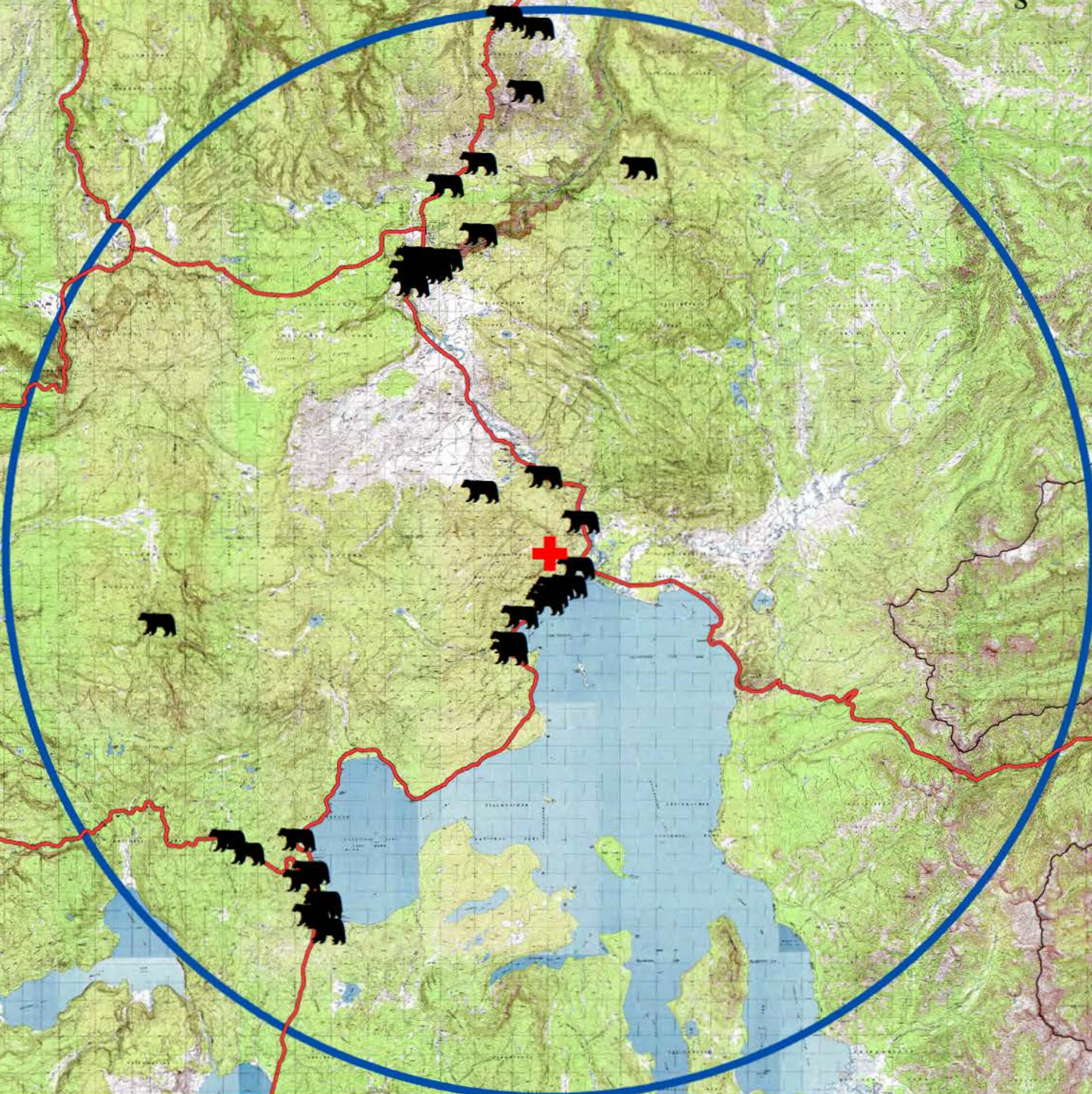
Crosby Fatality



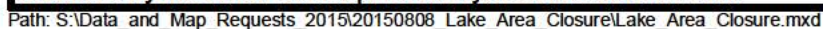
Grizzly Bear Sightings
January 1, 2015 through August 6, 2015



Black Bear Sightings
January 1, 2015 through August 6, 2015



- Elephant Back Fatality Site
- Black Bears N=40
- 30 km buffer

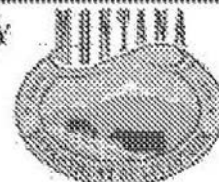




MONTANA VETERINARY DIAGNOSTIC LABORATORY

1911 WEST LINCOLN, BOZEMAN, MT 59718
P.O. Box 997, BOZEMAN, MT 59711
WEB: www.liv.mt.gov/lab

PHONE: (406) 994-4885
FAX: (406) 994-6344
EMAIL: lvd@diagnosticlab.mt.gov



KERRY GUNTHER YELLOWSTONE NATL
PARK

PO BOX 168

YELLOWSTONE NATL PAR WY 82190

CASE: 16-879

Name/ID: 215-18

Species Brown Bear (Grizzly)

Breed: Brown Bear (Grizzly)

Sex: Female Age: Adult

Owner: Yellowstone National Park

FINAL REPORT 08/20/15

Accessioned: 08/13/15

Authorized by: BL

Previous Reports
08/20/15

CASE SUMMARY**Case Summary**

Verified on: 08/20/15 by: BL

REASON FOR SUBMISSION:
Human predation

LABORATORY DIAGNOSIS:
Congestion, spleen with multifocal capsular fibrosis
Perirenal hemorrhage, acute, mild with mild hemo-abdomen
Myositis, suppurative (injection site reaction)

COMMENT:

Splenic congestion and the myositis are considered related to the Telazol injection for sedation/anesthesia. The perirenal hemorrhage is acute and is presumed to have occurred because of some traumatic injury from the capture. The hemorrhage was minor and insignificant. The spleen also had capsular fibrosis which is indicative of a past traumatic event with healing. This animal was in an excellent state of preservation and good nutritional state. A scant amount of milk could be expressed from the mammary glands. Gross and histologic lesions to account for the atypical behavior of this animal were not present.

A. W. Layton, DVM, Diplomate, ACVP

PATHOLOGY**Pathology**

Verified on: 08/20/15 by: BL

Necropsy was performed by AWL and SKS on 8/13/15 between 10:30 am and 12:30 pm.

GROSS DESCRIPTION:

The carcass is of an adult Grizzly Bear sow in good postmortem and fair nutritional state. Fat stores are moderate. Renal fat varies in thickness from 0.2 cm - 2 cm thick. Musculoskeletal system is normal. Scant amount of milk can be expressed from the mammary gland. Pleural cavity is normal. There is a hematoma on the lateral/caudal pole of the right kidney that occurs pericapsular and does not involve the adjacent kidney. Small amounts of red tinged fluid occur within the abdominal cavity. Left kidney is normal. Ureter and urinary bladder are normal. Spleen is 35x8x5 cm (enlarged) with multiple linear to patch-like capsular fibrosis. Fibrosis does not extend into the deeper parenchyma. Splenic parenchyma is dark red/black and exudes blood. Liver is brown with sharp margins. Gall bladder is filled with green thick bile. Esophagus is normal. The stomach wall in the pyloric region is 2.5 cm thick and primarily involves the tunica muscularis. Pyloric lumen is patent. Stomach has tan/gray rugated mucosa covered by mucous. Small intestine contains a scant amount of yellow thick fluid and few roundworms. The mucosa is tan and smooth to folded. Large intestine contains scant amounts of green mucoid feces. The animal was euthanized via captive bolt method. Otherwise, brain and skull are normal. Reproductive tract is normal. Lungs are partially collapsed, tan and spongy. Heart is normal.

Muscle of the left hip has a red opaque fluid and the adjacent musculature is pale (injection site Telazol).

HISTOLOGIC DESCRIPTION:

Tissue sections of eye, brain, mammary gland, skeletal muscle, tongue, heart, spleen, kidney, thyroid gland, parathyroid gland, liver, lung, lymph node, adrenal gland, stomach, intestine, lymph node, urinary bladder, esophagus, uterus and third eyelid are examined. The internal muscle layer of the tunica muscularis of the stomach is 5 times thicker than the outer layer. Non-staining vacuolar change occurs within the adrenal cortex region of the fasciculata and reticularis. In multiple sections of skeletal muscle along one edge is an inflammatory infiltrate of numerous neutrophils with fewer macrophages. Adjacent musculature is relatively intact yet the interstitium is edematous and infiltrated with smaller numbers of cells. In all sections of spleen, the splenic red pulp is markedly congested.

HISTOLOGIC DIAGNOSIS:

Congestion, spleen with multifocal capsular fibrosis
Perirenal hemorrhage, acute, mild with mild hemo-abdomen
Myositis, suppurative (injection site reaction)

Hypertrophy, internal layer of tunica muscularis, pyloric region, stomach

FEES:

Hematoxylin & Eosin	0.00
Case Summary	0.00
Histopathology	150.00
Incineration per pound	65.00
Total	215.00

(This is not a bill. Do not make payments from this report.)

Crosby Fatality



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0 0.25 0.5 1
Kilometers

0 0.25 0.5 1
Miles

Produced 10/20/2015 by the Yellowstone Spatial Analysis Center 307-344-2246

● Large Rock Cairn

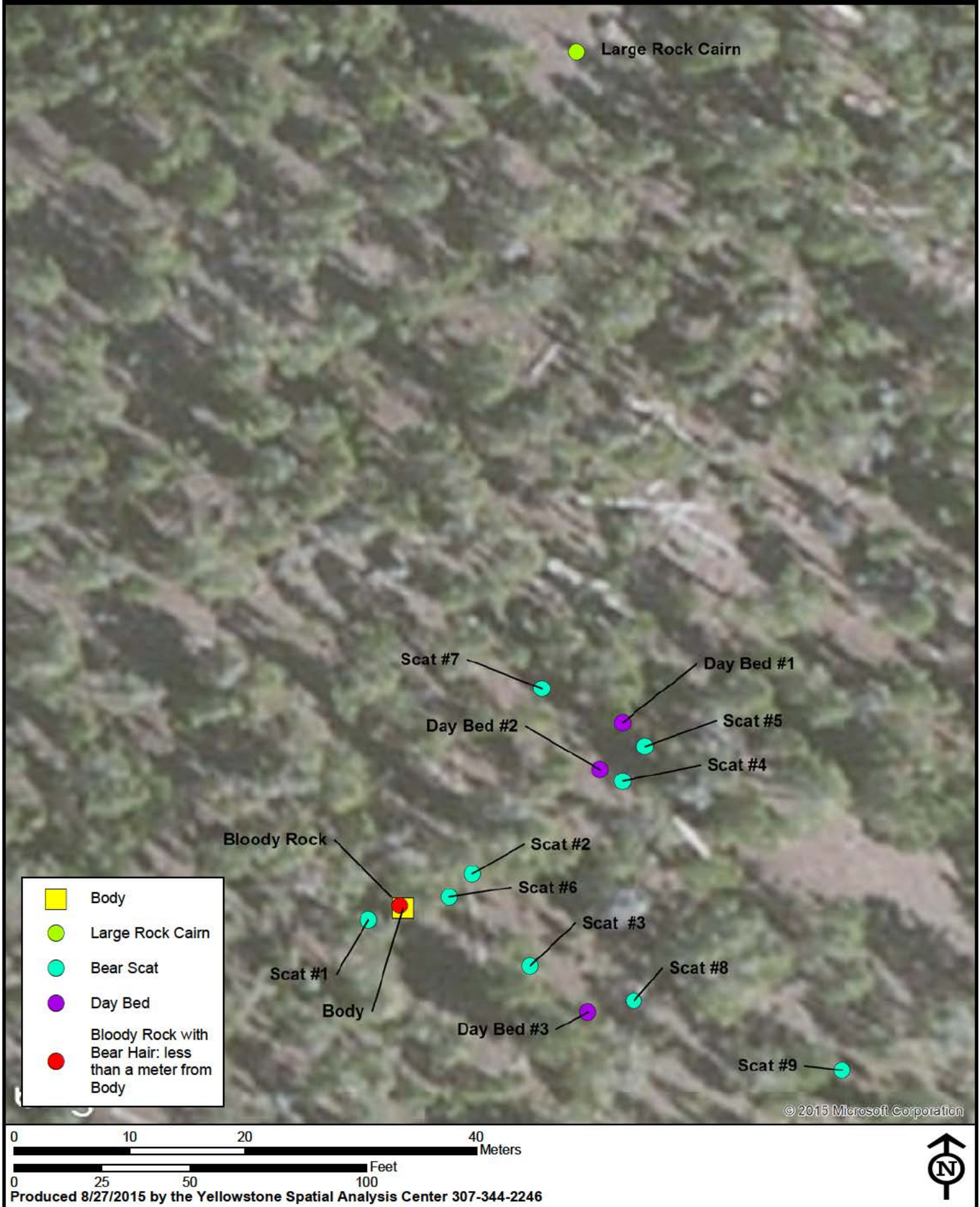
■ Body

— Trails

— Primary Roads

— Secondary Roads





- Defensive wounds right forearm and both hands
- Face down
- Pants partially down, zipper partially open, button open. Torn down by bear to expose soft flesh
- Left shoe lace not tied

Forest floor:

- Hard dirt
- Duff
- Pine needles

Bloody rock with bear hair

< 1 m. from body
* hair DNA confirmed as from the Elephant back sow

Live tree

Large rock cairn
76 m. from body

Bear Scat #7
23 m. from body
* scat DNA confirmed as from the Elephant back sow

Day Bed #1
Adult grizz + cub tracks
25 m. from body

Bear Scat #5
25 m. from body

Day Bed #2
Partial adult grizz + cub track
18 m. from body

Bear Scat #4
21 m. from body

Bear Scat #2
7 m. from body

Bear Scat #6
4 m. from body

Bear Scat #3
12 m. from body

* scat DNA confirmed as from a cub of the Elephant back sow

Bear Scat #8
21 m. from body

Day Bed #3
Two cub tracks
18 m. from body

Bear Scat #1
3 m. from body

right arm

right leg

Ball cap

Adult grizz + cub tracks at body

Vacuum tube


Bear Scat #9
40 m. from body
* scat DNA confirmed as from a cub of the Elephant back sow

Housing area 0.89 mi
Service road 0.7 mi

Elephant back trail
0.29 mi

Down tree; branch with piece of tissue

N




Class
DL

MONTANA

Big Sky Country

DRIVER LICENSE



01/26/1952

Class
D

1) Restr.
NONE

2) Endors
YES

4) LG

5) DOB
01/26/1952

6) Expires


CROSBY
LANCE HAROLD


1) Sex
M

2) Ht
70 in

3) Wt
190 lb

4) Eyes
BRO





UNITED STATES
DEPARTMENT OF THE INTERIOR

ORIGINAL - RETAIN
BY ISSUING OFFICE

BUREAU OR OFFICE

RECEIPT FOR PROPERTY

NUMBER		DESCRIPTION (INCLUDE SERIAL NUMBERS, MODEL, ETC.)	QUANTITY	UNIT OF ISSUE	COST
ITEM	PROPERTY				
1	1	wedding ring	1		
2	1	ivory tooth bracelet	1		
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Issued By: (Name and Title)

Date Issued:

C Daigle - Berof

8/8/15

It is understood that I am personally responsible for the property listed hereon and that if any of the property is lost, stolen, damaged or destroyed through my simple or ordinary neglect or negligence or gross negligence I can be held financially liable as determined by a Board of Survey.

Recd

Signature and Date:

RETURN ORIGINAL TO EMPLOYEE UPON TURN-IN OF PROPERTY

Emergency Services

National Park Service
U.S. Department of the Interior



Search and Rescue Report - PAGE 1

Version 4.1
REV 2013

Use Tab to move between fields.

Park:	YELL	Region:	IMR	Major SAR?:	Yes	Major SAR Number:	PX.EYELLS050.00.1						
Incident Commander:	Brad Ross			Case Number:	NP-	1	5	1	0	8	9	1	3
Park SAR Number:	20			Day of Week:	6- FRIDAY								
Date of Notification:	Aug 7, 2015			Time Notified (24 hour format)	09:10								
Date Subject Contacted:	Aug 7, 2015			Time Subject Contacted (24 hour format)	12:00								
Location:	Yellowstone National Park's Lake Clinic												
Coordinates:	N 44.574217°, W -110.407717°												
Notification Method:	In Person												
Incident Type:	Search (including search and rescue)			Contributing Factor- 1st:	Animals								
Mutual Aid?:	No			Contributing Factor- 2nd:									
Subject Organization:	Concession Employee			Contributing Factor- 3rd:									
Subject Activity:	Hiking, Day Walking			Rescue Method - 1st:	Hike/Walk								
Incident Environment:	Mountains 5,000'- 15,000'			Rescue Method - 2nd:	Watercraft, Motorized								
SAR Disposition:	Other			Rescue Method - 3rd:	Helicopter Evacuation								
Subject Info:	Age	Sex	Experience Level										
Subject #1:	63	Male	3. Intermediate/Developed Skills										
Subject #2:													
Subject #3:													
Number Ill or Injured		Number <u>Not</u> Ill or Injured		Number of Fatalities		Number of Saves							
0		0		1		0							

The Following Items are Reported Only When Incidents Involve Searches For Lost Subjects

Search Type:	Land, Wilderness
Linear Distance In Miles from PLS: (blank if unknown)	1.62
Vertical Direction from PLS:	Uphill from PLS
Search Duration:	Found < 24 hours



Search and Rescue Report - PAGE 2

Version 4.1
REV 2013

Use Tab to move between fields.

Incident Narrative:

(Type or Paste Text In Block)

On August 07, 2015 at 0901 hours, The Yellowstone Communications Center dispatched Lake Patrol to meet with [REDACTED] at the Lake Clinic.

Ranger Jill Paxton responded, arriving at Lake Clinic at 0908 hours, where she met with [REDACTED] to take the initial report. While talking, [REDACTED] arrived on scene. Crosby's vehicle [REDACTED] and bicycle were at his apartment, and both his back and front doors were left open overnight. Crosby was supposed to show up for work at 0800 hours.

Ranger Brad Ross arrived on scene at approximately 0945 hours, and was provided the information [REDACTED] had already hiked from the Lake Clinic to the Lake Transfer Station earlier that morning (approximately 0700). As a result of this discussion, it was determined that [REDACTED] would hike Elephant back Trail, and [REDACTED] would hike the shoreline of the Lake from the Ranger Station to Lake Lodge. Both areas were known to clinic staff as high potential areas for Crosby to frequent. They provided cell phone numbers to Paxton and began their searches at approximately 1000 hours.

Rangers Ross and Paxton returned to the Lake Ranger Station to pull in resources and decide on a course of action. Hasty teams were formed to begin searching the higher probability areas. Ross informed Ranger Pete Webster of the situation and they discussed the initial plan. Yellowstone Fire Dispatch was brought on as communications for the incident and began working on bringing in resources for a formal search team, including command staff.

Ross assumed the role of Incident Command, Becky Smith was located for the position of Plans, Matt Stadler and Jill Paxton were assigned the role of investigations.

At 1054 Paxton requested a BOLO through the Yellowstone Communications Center with Crosby's description.

At approximately 1130 hours, Ross received a call from Ranger Dan Hall. Hall said that he was hiking Elephant back trail where he had run into [REDACTED] whom told him that it had turned into a formal search. Hall was near one of the areas we wanted searched, the north side of the loop of the trail on top of Elephant back. As the result of our discussion, we decided Hall should search the area north of the trail.

Rangers Tim Pratt and Jeff Leininger, arrived at Lake Ranger Station at 1137 hours and assisted in putting together resources.

At 1142 hours, Rick Fey was directed to search the shoreline from Bridge Bay to Fishing Bridge using the vessel, "Lake 22."

At 1150 hours, Dave Whaley and Earl Drescher were directed to search the Natural Bridge/Arnica Creek road.

At 1201 hours, Hall called Ross by phone and said that he had located a mostly buried body within his search area. He said that it appeared to be a bear cache.

At this time, the SAR became a recovery.

Emergency Services

National Park Service
U.S. Department of the Interior



Search and Rescue Report - PAGE 3

Version 4.1
REV 2013

Use Tab to move between fields.

Time and Cost Summary	Hours	Cost
NPS Programmed Hours	134.75	\$3,368.75
NPS Unprogrammed Hours	203.75	\$5,891.07
Non-NPS Hours		
Totals:	338.5	\$9,259.82

Other Services, Supplies, and Equipment	Cost
Supplies and Equipment	\$230.30
Other Services and Expenses	
Totals:	\$230.30

Aircraft / Vessel Summary	Hours	Cost
1. Type: <input type="text" value="Vessel"/> Owner: <input type="text" value="NPS (incl contractor)"/> Hourly Rate: <input type="text" value="\$25.00"/>	<input type="text" value="1"/>	<input type="text" value="\$25.00"/>
2. Type: <input type="text" value="Helicopter"/> Owner: <input type="text" value="NPS (incl contractor)"/> Hourly Rate: <input type="text"/>	<input type="text"/>	<input type="text"/>
3. Type: <input type="text"/> Owner: <input type="text"/> Hourly Rate: <input type="text"/>	<input type="text"/>	<input type="text"/>
Totals	1	\$25.00

Prepared By:

Date:

Signature: _____

Approved By:

Date:

Signature: _____

For incidents with NPS non-programmed costs in excess of \$500, the following approval signatures are required

Superintendent Signature: _____

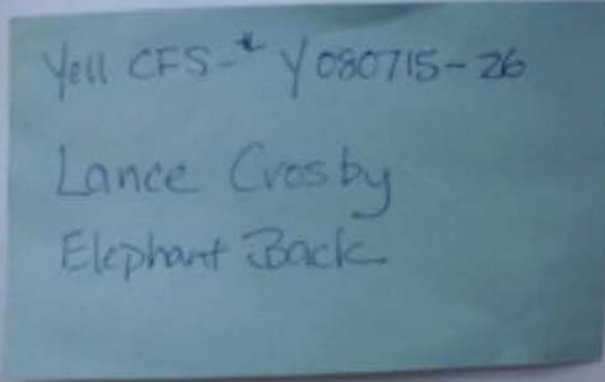



Date:

Regional Director Signature: _____

Date:

Print Form



<p>Case Number: CFS: #Y080715-26 IMARS: NP 15108913 Decedent's Name: Lance Harold Crosby</p>	<p>Date of Photo: 8/07/2015 Photos Taken By: C. Daigle-Berg</p>
	
<p>Case Number: Yellowstone CFS# Y080715-26 1/41</p>	<p>Overall scene from approximately 20 feet 2/41</p>
	
<p>Scene from approximately 6 feet 3/41</p>	<p>Cached body from foot 4/41</p>

Case Number: CFS: #Y080715-26
IMARS: NP 15108913
Decedent's Name: Lance Harold Crosby

Date of Photo: 8/07/2015
Photos Taken By: C. Daigle-Berg



Cached body from foot

5/41



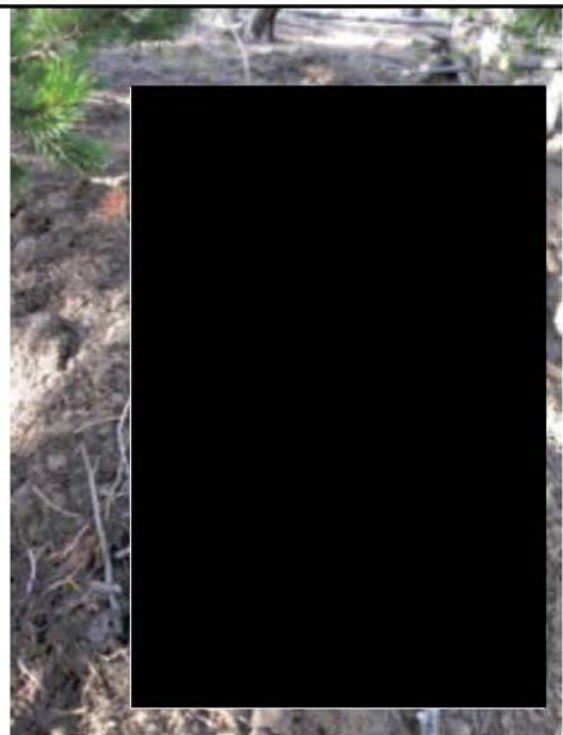
Cached body from right side

6/41



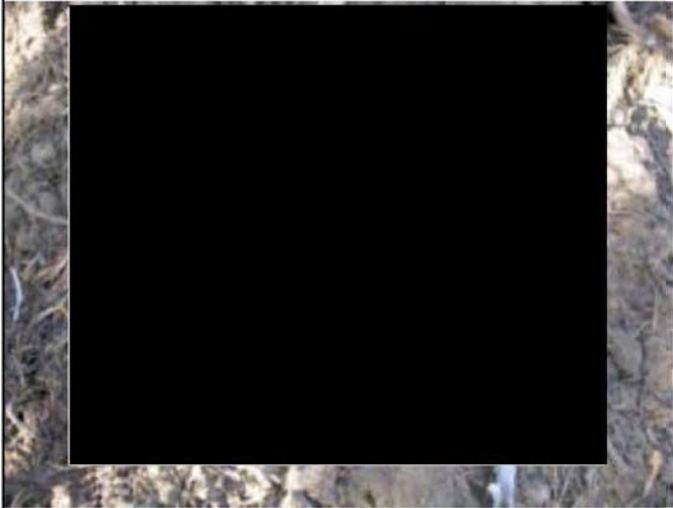



Cached body from head



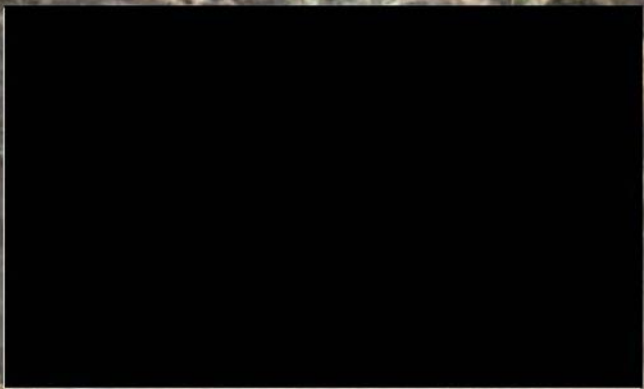
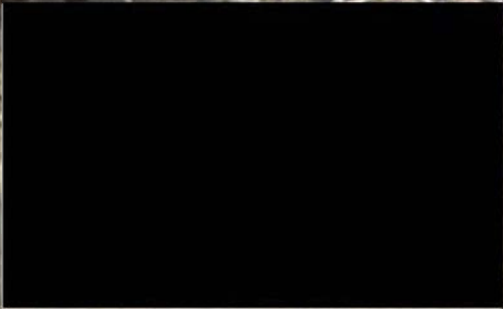
7/41









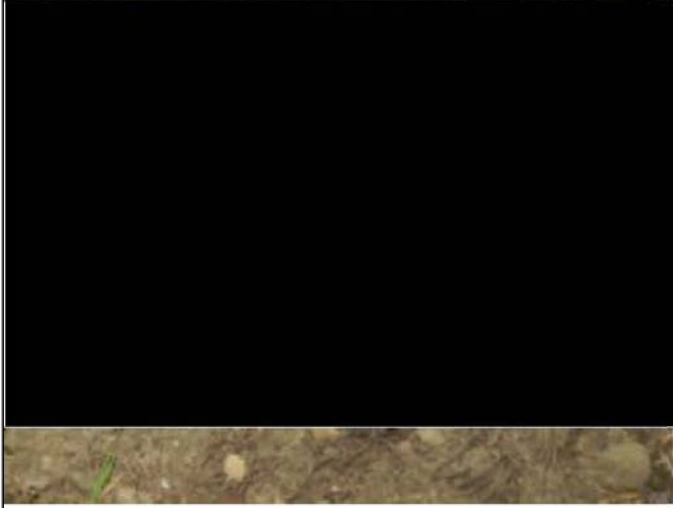

Cached body from head

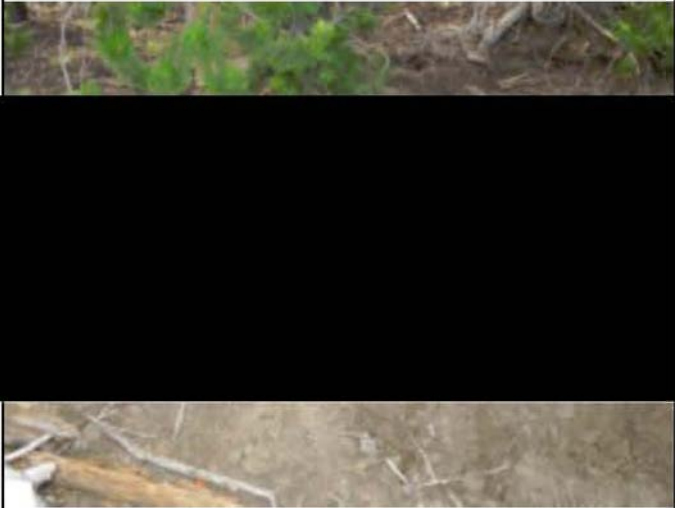
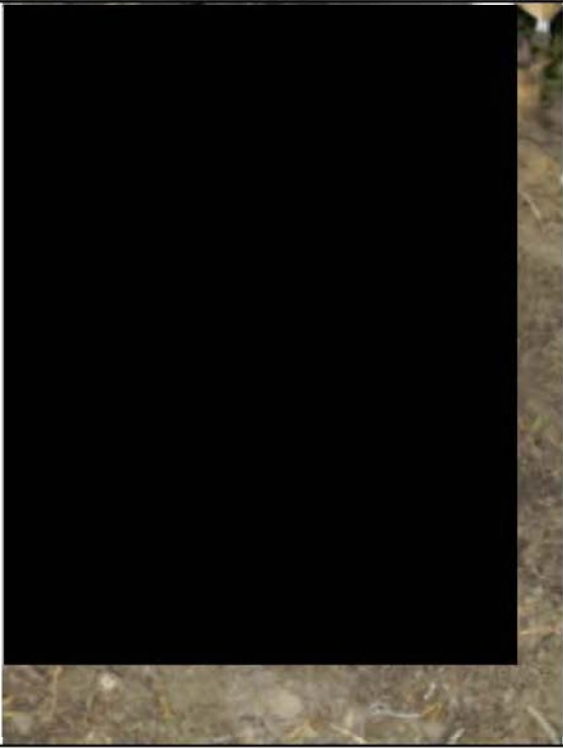


8/21

<p>Case Number: CFS: #Y080715-26 IMARS: NP 15108913 Decedent's Name: Lance Harold Crosby</p>	<p>Date of Photo: 8/07/2015 Photos Taken By: C. Daigle-Berg</p>
	
<p>Cached body, close-up of head 9/41</p>	<p>Fat globule on branch of downed tree closed to body 10/41</p>
	
<p>Cached body from left 11/41</p>	<p>Cached body from left 12/41</p>

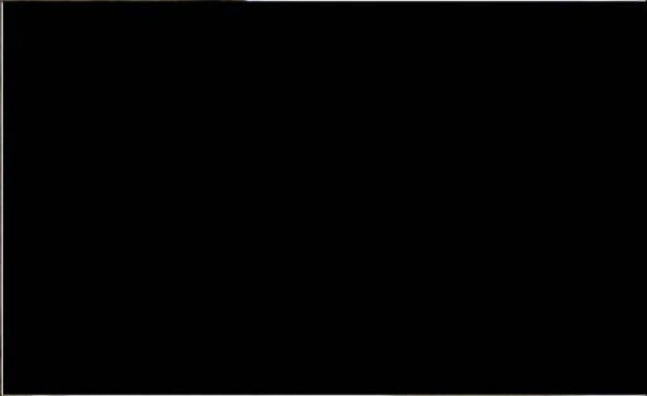
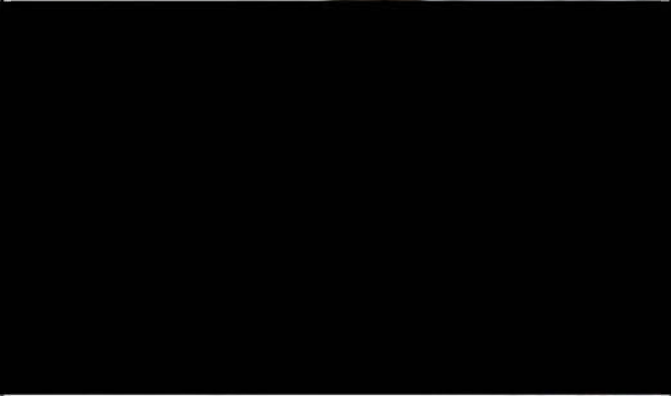


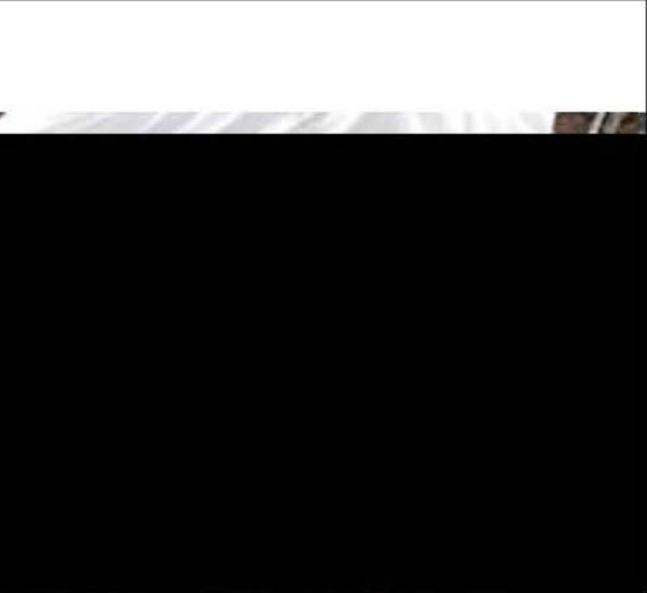
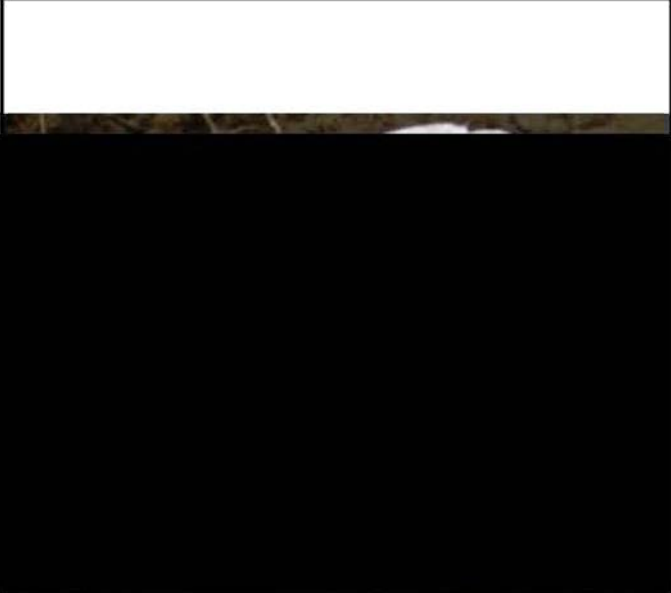
<p>Case Number: CFS: #Y080715-26 IMARS: NP 15108913 Decedent's Name: Lance Harold Crosby</p>	<p>Date of Photo: 8/07/2015 Photos Taken By: C. Daigle-Berg</p>
	
<p>Vacuum tube on cache pile 13/41</p>	<p>Close-up of feet 14/41</p>
	
<p>Close-up of feet 15/41</p>	<p>Partially excavated torso 16/41</p>

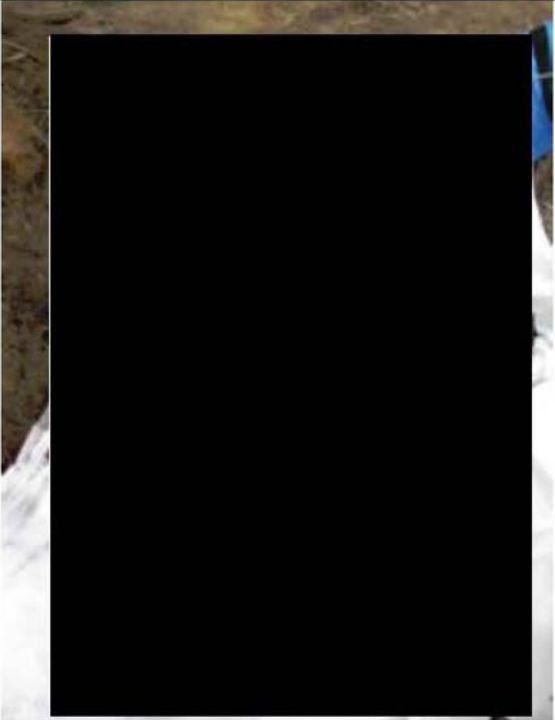
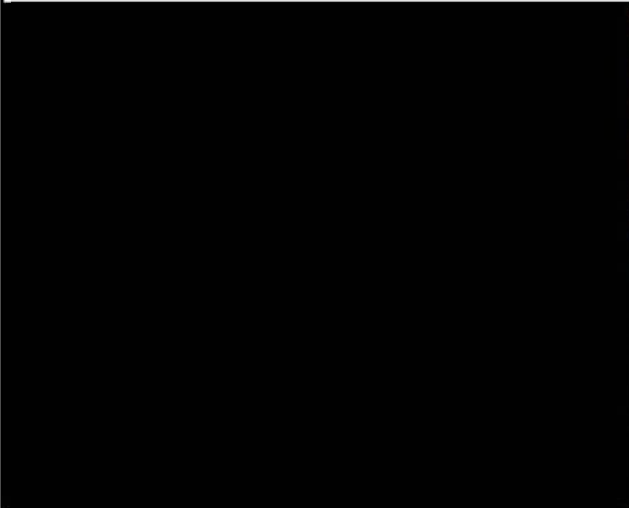
<p>Case Number: CFS: #Y080715-26 IMARS: NP 15108913 Decedent's Name: Lance Harold Crosby</p>	<p>Date of Photo: 8/07/2015 Photos Taken By: C. Daigle-Berg</p>
	
<p>Bloody rock near body 17/41</p>	<p>Partially excavated torso with branch puncture wound 18/41</p>
	
<p>Overall of partially excavated body 19/41</p>	<p>Partially excavated torso and head 20/41</p>


<p>Case Number: CFS: #Y080715-26 IMARS: NP 15108913 Decedent's Name: Lance Harold Crosby</p>	<p>Date of Photo: 8/07/2015 Photos Taken By: C. Daigle-Berg</p>
	
<p>Partially excavated head and shoulder 21/41</p>	<p>Partially excavated left hand 22/41</p>
	
<p>Head and shoulder from right; Silver and black ring on necklace 23/41</p>	<p>Mostly excavated body 24/41</p>

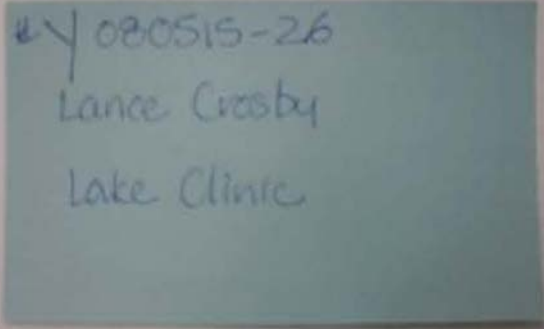
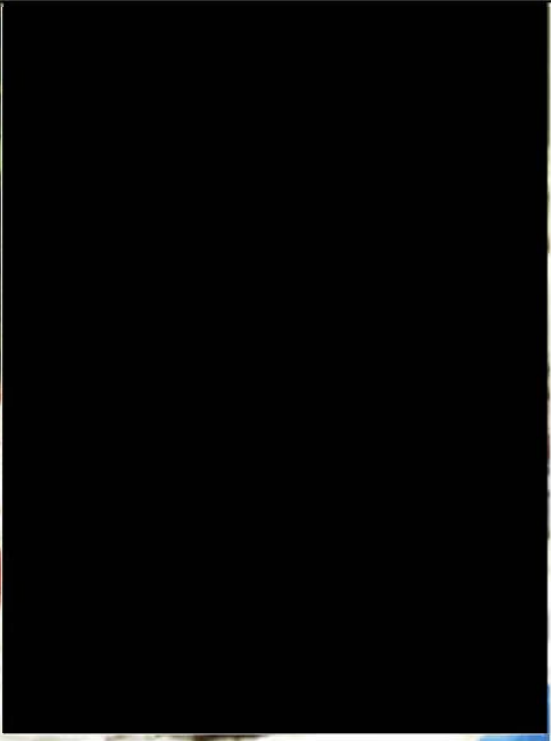
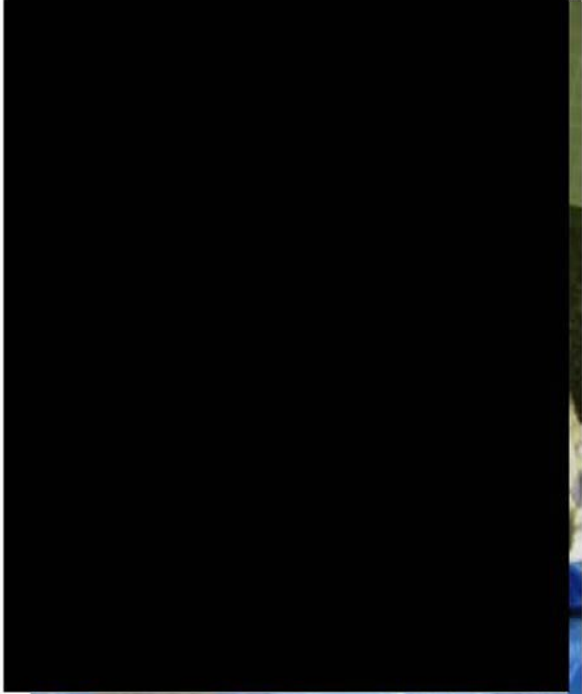
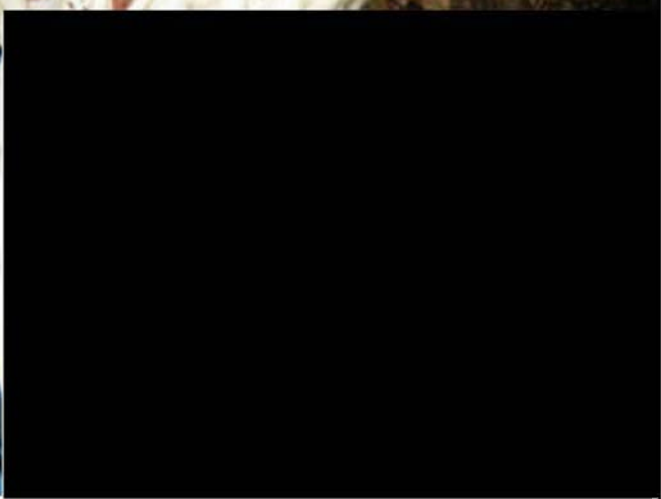
<p>Case Number: CFS: #Y080715-26 IMARS: NP 15108913 Decedent's Name: Lance Harold Crosby</p>	<p>Date of Photo: 8/07/2015 Photos Taken By: C. Daigle-Berg</p>
	
<p>Mostly excavated body from left side 25/41</p>	<p>Mostly excavated body from head 26/41</p>
	
<p>Mostly excavated body from head 27/41</p>	<p>Mostly excavated body from right side 28/41</p>

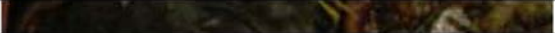
<p>Case Number: CFS: #Y080715-26 IMARS: NP 15108913 Decedent's Name: Lance Harold Crosby</p>	<p>Date of Photo: 8/07/2015 Photos Taken By: C. Daigle-Berg</p>
	
<p>Mostly excavated body from feet 29/41</p>	<p>Body supine on white sheet and blanket 30/41</p>
	
<p>Body supine on white sheet and blanket 31/41</p>	<p>Body supine on white sheet and blanket 32/41</p>


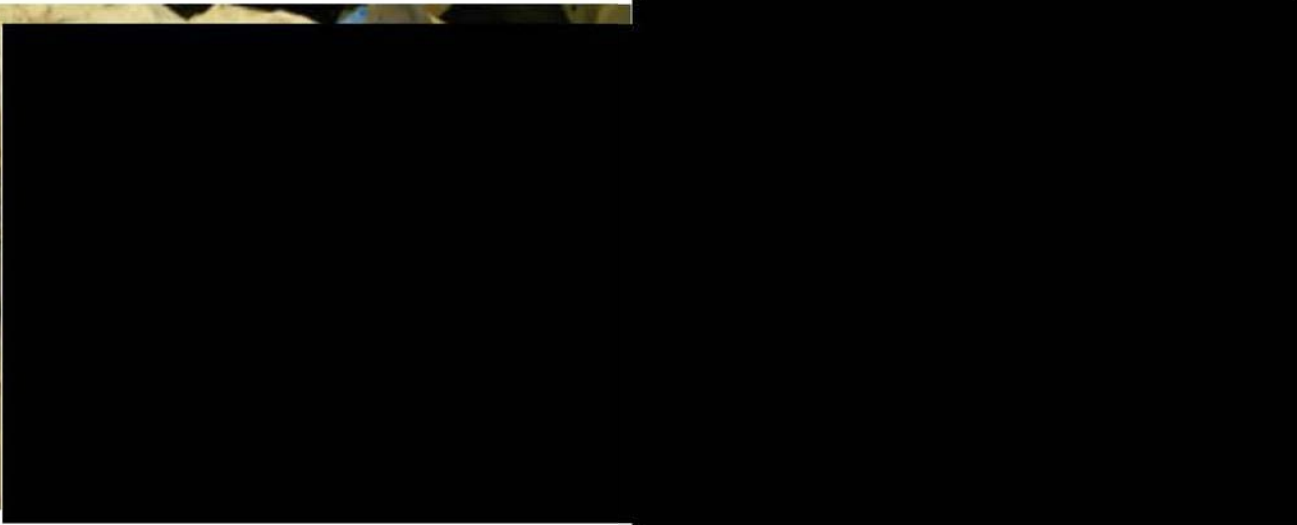
Case Number: CFS: #Y080715-26 IMARS: NP 15108913 Decedent's Name: Lance Harold Crosby	Date of Photo: 8/07/2015 Photos Taken By: C. Daigle-Berg
	
	
Lower extremities, consumption of left leg 33/41	Consumption of torso area 34/41
	
Wounds to upper torso and head 35/41	Damage to and position of pants 36/41

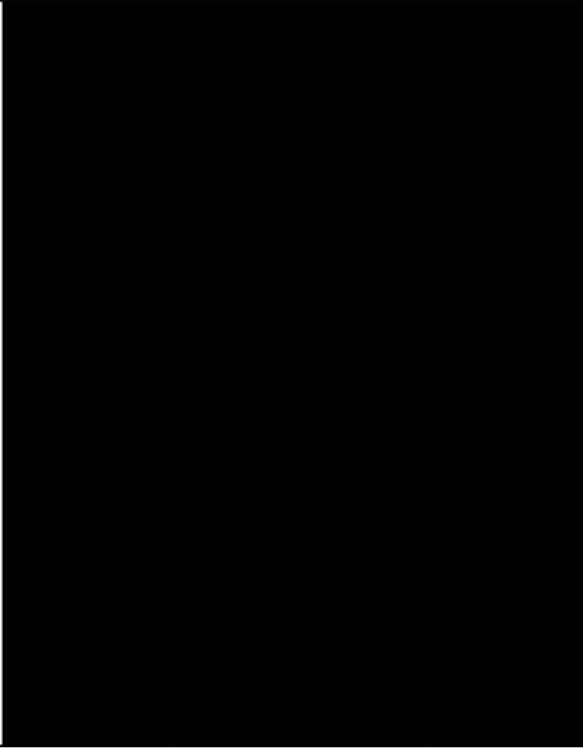
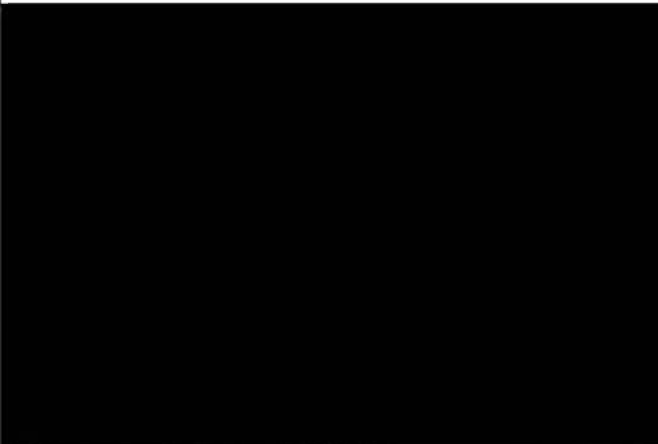


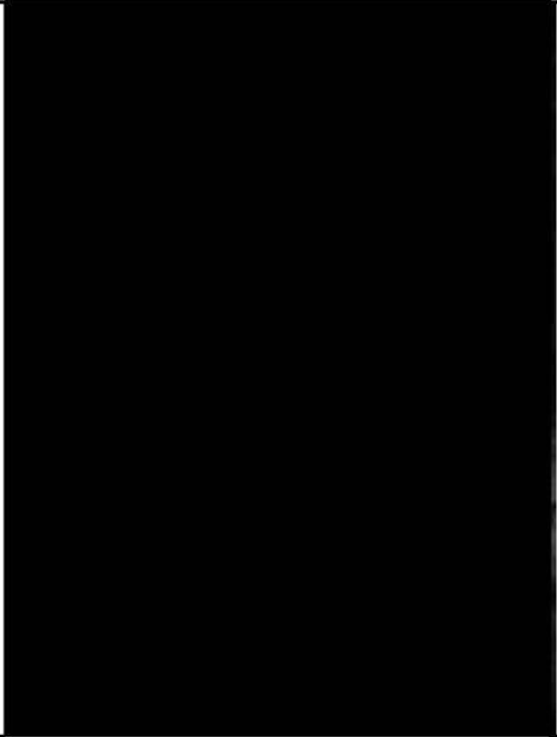
Case Number: CFS: #Y080715-26 IMARS: NP 15108913 Decedent's Name: Lance Harold Crosby	Date of Photo: 8/07/2015 Photos Taken By: C. Daigle-Berg
Consumption of anterior torso 37/41	Fly eggs upper torso; greenish discoloration right quadrant; wedding ring on necklace 38/41
	
Supine position from head 39/41	Facial wounds, fly eggs upper chest and neck 40/41

<p>Case Number: CFS: #Y080715-26 IMARS: NP 15108913 Decedent's Name: Lance Harold Crosby</p>	<p>Date of Photo: 8/07/2015 Photos Taken By: C. Daigle-Berg</p>
	
<p>Body wrapped in white sheet and blanket, secured in plastic body 41/41</p>	

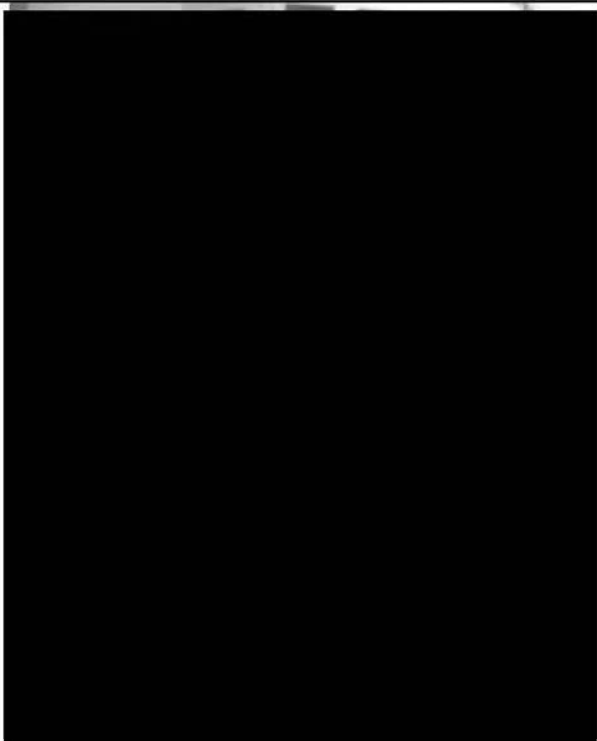
<p>Case Number: CFS: #Y080715-26 IMARS: NP 15108913 Decedent's Name: Lance Harold Crosby</p>	<p>Date of Photo: 8/07-8/08 2015 (2230-0035) Photos Taken By: C. Daigle-Berg Location: Lake Clinic</p>
	
<p>Case Number: Yellowstone CFS# Y080715-26 1/21</p>	<p>Overall of body, anterior view, from head 2/21</p>
	
<p>Overall of body, anterior view, from feet 3/21</p>	<p>Close-up of head and neck, showing wounds, sunglasses, fly eggs 4/21</p>

Case Number: CFS: #Y080715-26 IMARS: NP 15108913 Decedent's Name: Lance Harold Crosby	Date of Photo: 8/07-8/08 2015 (2230-0035) Photos Taken By: C. Daigle-Berg Location: Lake Clinic
Right side of head showing hematoma, lacerations, ear avulsion 5/21	Left side of head showing wounds, sunglasses, fly eggs 6/21
	
Left shoulder puncture wounds and lacerations with bruising 7/21	Upper torso, right side with greenish discoloration upper abdomen 8/21

Case Number: CFS: #Y080715-26 IMARS: NP 15108913 Decedent's Name: Lance Harold Crosby	Date of Photo: 8/07-8/08 2015 (2230-0035) Photos Taken By: C. Daigle-Berg Location: Lake Clinic
	
Lower torso from right 9/21	Lower torso, upper legs showing status of pants zipper and belt buckle 10/21
	
Lower legs and feet showing status of boots 11/21	Hematoma above right eye 12/21

Case Number: CFS: #Y080715-26 IMARS: NP 15108913 Decedent's Name: Lance Harold Crosby	Date of Photo: 8/07-8/08 2015 (2230-0035) Photos Taken By: C. Daigle-Berg Location: Lake Clinic
	 
Right wrist showing ivory tooth bracelet 13/21	Upper right arm 14/21
	
Right forearm—canine puncture wounds with bruising (defensive wounds) 15/21	Right forearm—canine puncture wounds with bruising (defensive wounds) 16/21

Case Number: CFS: #Y080715-26 IMARS: NP 15108913 Decedent's Name: Lance Harold Crosby	Date of Photo: 8/07-8/08 2015 (2230-0035) Photos Taken By: C. Daigle-Berg Location: Lake Clinic
Right forearm—canine puncture wounds (defensive wound) Measurement 6cm 17/21	Puncture wounds right palm 18/21
Right forearm—canine puncture wounds (defensive wound) Measurement 4cm 19/21	Right forearm—canine puncture wounds (defensive wound) Measurement 6cm 20/21

Case Number: CFS: #Y080715-26 IMARS: NP 15108913 Decedent's Name: Lance Harold Crosby	Date of Photo: 8/07-8/08 2015 (2230-0035) Photos Taken By: C. Daigle-Berg Location: Lake Clinic
	
Right arm, upper arm partially consumed 21/21	

Location of Body

12 T 547029 4935824

Fishing Bridge Jct.

Lake Government Area

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Image © 2015 DigitalGlobe

Google earth

Location of Body

12 T 547029 4935824

Elephant Back Loop Trail

Fishing Bridge Jct.
Junction

Lake Government Area

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Google earth
Earth Point

**UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
SUPPLEMENTAL CASE/INCIDENT RECORD**

ORGANIZATIONAL (PARK) NAME Yellowstone National Park		CASE INCIDENT NUMBER CFS # Y080715-26 IMARS# NP15108913
LOCATION OF INCIDENT Elephant Back Mountain, Yellowstone National Park		DATE OF INCIDENT 08/07/2015
NATURE OF INCIDENT Coroner's Report--Grizzly Bear Caused Fatality		
COMPLAINANT'S NAME Lance Harold Crosby SSN# [REDACTED] DOB: 01/26/1952 DOD: 08/06/2015	COMPLAINANT'S ADDRESS [REDACTED]	

Summary of Incident:

Sixty-three year-old park employee, Lance Harold Crosby, suffered an unwitnessed and fatal bear attack while hiking off-trail in the Elephant Back Mountain area approximately one mile west of Fishing Bridge Junction sometime between 1300 hours on 8/06/2015 and 1200 hours 8/07/2015. His body was discovered by a park ranger at approximately 1200 hours on 8/07/2015. It had been partially consumed by bears and partially cached under dirt. An investigation was conducted by National Park Service staff. An autopsy was performed by Dr. Charles Garrison in Idaho Falls on 8/10/2015. The Manner of Death was recorded as "Accidental". Cause of Death was recorded as: "Blunt force trauma with disruption to brain stem" due to grizzly bear attack. Mr. Crosby's death certificate, 2015-002792, was recorded and filed by Wyoming Vital Statistics on 8/24/2105.

Incident Investigation and Response:

Mr. Crosby worked as a nurse at the Lake Clinic for Medcor at Yellowstone. He had last been seen at the Lake Clinic by coworkers [REDACTED] between the hours of 1100 and 1200 hours on 8/06/15. They had each spoken to Mr. Crosby briefly at the Lake Clinic. When walking home from work at around 2100 hours on 8/06/15 [REDACTED] observed that the front door to Crosby's apartment was open and his lights were on. [REDACTED] assumed that he was out with friends.

At about 0615 hours on 8/07/15 [REDACTED] observed that the door to Crosby's apartment was open and the lights on. His vehicle was in the parking lot. They thought that Crosby was probably out for a morning walk. [REDACTED] hiked about one mile up the Elephant Back Trail and returned to the Lake Clinic and residential area at about 0800. They observed that Crosby's front door was still open and the lights still on.

Crosby was scheduled for work at 0800 but was not there. [REDACTED] became concerned. [REDACTED] phoned Crosby's wife [REDACTED] told her that she had last been in contact with Crosby the previous morning and that he intended to hike the Elephant Back Trail.

SUBMITTED BY (SIGNATURE AND DATE) Colette Daigle-Berg--Deputy Coroner <i>Colette Daigle-Berg</i> 10/15/15	APPROVED BY (SIGNATURE AND DATE)
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**UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
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ORGANIZATIONAL (PARK) NAME Yellowstone National Park		CASE INCIDENT NUMBER CFS # Y080715-26 IMARS# NP15108913
LOCATION OF INCIDENT Elephant Back Trail, Lake District		DATE OF INCIDENT 08/07/2015
NATURE OF INCIDENT Coroner's Report--Grizzly Bear Caused Fatality		
COMPLAINANT'S NAME Lance Harold Crosby SSN# [REDACTED] DOB: 01/26/1952 DOD: 08/06/2015	COMPLAINANT'S ADDRESS [REDACTED]	

Incident Investigation and Response Continued:

[REDACTED] then went looking for Crosby along the lakeshore between Lake Clinic and Bridge Bay knowing it was a frequent walk of his. She did not locate him.

Co-workers said that Crosby had recently suffered a sprained ankle and was trying to rehabilitate it. The sprain had not been serious enough for him to obtain medical attention. Not finding him along the lakeshore they suspected he may have hiked the Elephant Back Trail.

At approximately 0900 hours [REDACTED] phoned the Yellowstone Communications Center to report that Lance Crosby, was overdue and missing. [REDACTED] texted off-duty ranger and mutual friend Dan Hall. [REDACTED] then hiked the Elephant Back Trail but failed to locate Crosby.

Lake ranger staff initiated a search of the Elephant Back Trail area as well as along the lakeshore in the Lake area. At approximately 1201 hours on 8/07/2015 Lake ranger, Dan Hall, discovered the remains of a body, which he tentatively identified as Lance Crosby, off-trail in the Elephant Back area. The body was mostly under a dirt pile in a manner consistent with how bears are known to cache a food source.

Acting Yellowstone Chief Ranger, Bonnie Schwartz, requested via Fire Dispatcher Laura Dooley, that I respond as coroner for the incident at approximately 1237 hours. I responded from Bozeman and arrived on scene at approximately 1820 hours.

Location/Description of Death Scene:

Lake District Ranger Brad Ross, Yellowstone Bear Management Specialist Kerry Gunther and several other staff hiked to the scene arriving at approximately 1345 hours. Gunther said that as they got close to the scene, they heard a "barking" sound that they thought came from a bear cub or cubs. Ross said that he saw the rear end of a bear running from the scene toward the northeast.

SUBMITTED BY (SIGNATURE AND DATE) Colette Daigle-Berg--Deputy Coroner <i>Colette Daigle-Berg</i> 10/15/15	APPROVED BY (SIGNATURE AND DATE)
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LOCATION OF INCIDENT Elephant Back Mountain, Yellowstone National Park		DATE OF INCIDENT 08/07/2015
NATURE OF INCIDENT Coroner's Report--Grizzly Bear Caused Fatality		
COMPLAINANT'S NAME Lance Harold Crosby SSN# [REDACTED] DOB: 01/26/1952 DOD: 08/06/2015	COMPLAINANT'S ADDRESS [REDACTED]	

Location/Description of Death Scene Continued:

The body was located at UTM coordinates 12T 0547029 East by 4935824 North. (Map datum: WGS 84) It was approximately three tenths of a mile off-trail and north of the Elephant Back Loop Trail. The body was an estimated eighty yards from a large rock cairn. The rock cairn was estimated to be five feet tall and six feet in diameter. The area was moderately forested with scattered dead and downed trees and a duff layer of needles, dried twigs and other vegetative matter.

The body was cached in a roughly triangular-shaped area delineated on the victim's left side by dead and downed trees and live trees on the right. The area to the victim's feet was mostly open.

Initial investigation activities, including overall scene photos, had been done by Lake Ranger and Bear Management staff prior to my arrival. Gunther and Ross said that there was minimal discernible disturbance to the area outside of the immediate vicinity of the body. Ross had collected a baseball cap that was on the ground about three feet from the victim's feet. The cap was identified as one known to be worn by Crosby. In addition there was an approximately three inch long vacuum tube, partially exposed in the dirt pile, off the end of the victim's feet.

Gunther and his staff had located three "day beds" in the immediate area that they determined to have been made by bears. They also located nine piles of bear scat in the immediate area of the body. One appeared to contain human hair. They collected hair from the day beds and samples of scat.

Bear Management Staff also documented several grizzly bear tracks close to the body. The track sizes were consistent with those of an adult bear and cubs of the year. There was no sign of wolf, mountain lion, or black bear activity in the area.

Two culvert style bear traps had been flown to the scene and were approximately 10 yards from the body. Bear Management staff were preparing to set the traps.

SUBMITTED BY (SIGNATURE AND DATE) Colette Daigle-Berg--Deputy Coroner <i>Colette Daigle Berg 10/15/15</i>	APPROVED BY (SIGNATURE AND DATE)
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LOCATION OF INCIDENT Elephant Back Mountain, Yellowstone National Park		DATE OF INCIDENT 08/07/2015
NATURE OF INCIDENT Coroner's Report--Grizzly Bear Caused Fatality		
COMPLAINANT'S NAME Lance Harold Crosby SSN# [REDACTED] DOB: 01/26/1952 DOD: 08/06/2015	COMPLAINANT'S ADDRESS [REDACTED]	

Preliminary Examination of Body:

I arrived on scene at approximately 1815 hours. The body had not been disturbed by staff on scene prior to my arrival.

The body was mostly covered by mounded and freshly disturbed dirt in a manner consistent with bears or mountain lions. It had obvious fatal injuries and appeared to have been partially consumed by large predators. The back of the victim's head, part of his posterior torso and both feet were visible on the surface.

I pronounced the individual deceased at approximately 1820 hours.

I took a series of photographs of the scene as we systematically excavated the body. Gunther and I collected and labeled numerous animal hair samples from the dirt pile as well as from the body itself. A fist-sized rock, stained with blood, was located approximately three feet to the right of the victim's feet. A hair, which appeared to be bear hair, was collected from the rock for DNA analysis.

As we uncovered the victim his final angle of repose was found to be as follows. The victim's head and upper torso were in the prone position with his head facing to the southwest. The lower torso was twisted to the left such that the victim's left leg was crossed over his right leg. The victim's left arm was tucked under his body with his palm, fingers and wrist exposed to the right of his upper torso. The victim's right arm extended from his right side at about a 55 degree angle.

The body was fully clothed although the clothing was in disarray and had numerous holes from predator activity. Brown Asolo brand hiking boots were on the feet. The left shoelace was untied but the boot had not been loosened. The victim was additionally wearing red socks, jockey underwear, tan pants and leather belt, a tee shirt and plaid, long-sleeved shirt. The victim was wearing a silver-colored ring with distinctive black engravings on a necklace around his neck. In addition he was wearing a distinctive ivory tooth bracelet on his right wrist. A pair of broken, brown, sunglasses were situated across the front of his neck. A purple button from the overskirt was found nearby.

SUBMITTED BY (SIGNATURE AND DATE) Colette Daigle-Berg--Deputy Coroner <i>Colette Daigle-Berg 10/15/15</i>	APPROVED BY (SIGNATURE AND DATE)
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COMPLAINANT'S NAME Lance Harold Crosby SSN# [REDACTED] DOB: 01/26/1952 DOD: 08/06/2015	COMPLAINANT'S ADDRESS [REDACTED]	

Preliminary Examination of Body Continued:

Rigor was found to be present in the victim's jaw, and was weak to absent in both upper and lower extremities. The victim's torso and left leg showed signs of predatory activity and consumption. A dead branch, approximately 3/4 " in diameter, had punctured the torso. There were small depositions of fly eggs on the victim's neck and upper torso. A small orange globule of fat was stuck to a branch of a nearby dead and downed tree. Minimal non-dried blood was noted in and around the body.

Once the body was excavated it was placed supine on a white sheet, wrapped in a white cotton blanket and placed in a body bag. At approximately 1940 hours the body was flown by helicopter to the Fishing Bridge helispot and transported by ground ambulance to the medical clinic at Lake. I followed the ambulance from the helispot to the Lake Clinic.

Notification of Family:

Based on the initial identification of the victim by Ranger Dan Hall and the investigation regarding Lance Crosby's status as overdue and missing, Lake District Ranger, Brad Ross and Lake Ranger Jill Paxton made tentative notification of the victim's death to his wife, [REDACTED] at approximately 1628 on 8/07/2015.

[REDACTED] made positive visual identification of the body as that of her husband, Lance Crosby, at approximately 2030 hours at the Lake Clinic. Additionally she said that the ring on the necklace was his wedding ring and identified the bracelet as one worn by her husband. Once she made positive identification, [REDACTED] notified Mr. Crosby's adult children.

SUBMITTED BY (SIGNATURE AND DATE) Colette Daigle-Berg--Deputy Coroner <i>Colette Daigle-Berg 10/15/15</i>	APPROVED BY (SIGNATURE AND DATE)
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Formal Examination of Body:

An examination of Mr. Crosby's body was conducted at the Lake Clinic by myself and Bear Management Specialist, Kerry Gunther starting at approximately 2230 hours. The purpose of the exam was to determine the nature of the attack and to collect hair and saliva evidence to attempt to determine the individual bear(s) involved. The autopsy reports documents the injuries more fully.

Mr. Crosby's tee-shirt and overshirt had numerous punctures and holes. His jockey shorts were pulled-down to about mid-thigh and also had puncture marks. His tan, full-length pants were torn and also at mid-thigh. The metal button was undone and the zipper down about one inch. The leather belt was also undone leading to speculation that Mr. Crosby had possibly been urinating or defecating when the attack occurred.

Mr. Crosby's head and neck had multiple lacerations and puncture wounds. His right ear had been avulsed and there was a distinct hematoma above his right eye. His left shoulder had puncture wounds with bruising.

We cut off parts of Mr. Crosby's shirts which revealed multiple canine puncture marks on both upper extremities. Most notable were canine puncture wounds on the posterior side of his right forearm measuring approximately 6 cm between the canines. These wounds had obvious bruising and are consistent with defensive wounds. According to Gunther, these wounds are consistent in size with that of an adult, female grizzly bear.

Exam of the torso and lower extremities revealed puncture wounds and lacerations consistent with consumption activity of a large predator. A greenish discoloration of parts of the torso were consistent with the initial stages of decomposition.

Numerous animal hair samples were removed from the body and clothing and processed for DNA analysis to assist in identifying the individual bear(s) involved. Several cut-outs of clothing material surrounding puncture wounds were collected for analysis as well.

SUBMITTED BY (SIGNATURE AND DATE) Colette Daigle-Berg--Deputy Coroner <i>Colette Daigle Berg 10/15/15</i>	APPROVED BY (SIGNATURE AND DATE)
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Formal Examination of Body Continued:

These samples were released to Gunther for submittal to the Wyoming Department of Fish and Game Wildlife Laboratory in Laramie, Wyoming and the Wildlife Genetic Institution Laboratory in Nelson, British Columbia.

I collected vitreous fluid from the victim's left eye for toxicological analysis. I was unable to collect femoral blood.

The exam at Lake Clinic concluded at approximately 0035 hours on 08 /08/15.

Disposition of Body:

Mr. Crosby's body was released to Scott McKague of Valley Mortuary in Jackson, Wyoming at approximately 0130 hours on 08/08/15. The body was to be secured, with the body bag open if possible, in the Valley Mortuary facility. The body was then transferred by Valley Mortuary to the Bonneville County Morgue in Idaho Falls, Idaho to await autopsy. Following the autopsy on 8/10/15, Crosby's body was transferred by Valley Mortuary back to their facility in Jackson for possible cremation.

Medical History:

[REDACTED] said that her husband, Lance Crosby had suffered a sprained ankle one to two weeks prior to his death but that he had not sought medical attention for the sprain. She said he was otherwise in good health, took no medications and did not have a primary care physician.

SUBMITTED BY (SIGNATURE AND DATE) Colette Daigle-Berg--Deputy Coroner <i>Colette Daigle Berg 10/15/15</i>	APPROVED BY (SIGNATURE AND DATE)
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Autopsy:

At my request Forensic Pathologist, Dr. Charles Garrison, performed an autopsy on 8/10/15 at the Bonneville County Morgue in Idaho Falls. Bear Management Specialist Kerry Gunther and I attended the autopsy. Attending Dr. Garrison were pathology assistants Mark Anderson and Jeff Horton. Detailed results of this autopsy are included with this report under Dr. Garrison's Case No: S115-0030.

During the autopsy, Dr. Garrison closely examined Mr. Crosby's pants and belt. The exam revealed that the leather of the belt had been torn at the location of the first buckle hole. Additionally one of the loops holding the buckle to the belt had been torn. The button hole at the top of the zipper had been torn slightly and the zipper teeth were damaged where the zipper was stuck.

The damage to the pant zipper and belt would seem to show that the bear(s) caused the damage during feeding activity rather than that Crosby had been attacked while urinating or defecating as I had speculated during my exam at Lake Clinic. Further supporting this conclusion is the fact that Dr. Garrison collected approximately 200 cc of urine from Crosby's bladder during the autopsy.

Dr. Garrison documented the numerous injuries sustained by the victim including what he determined to be defensive wounds on both of Crosby's forearms. Defensive wounds indicate that Crosby was alive at the time of the initial attack.

Dr. Garrison documented that Mr. Crosby suffered spinal cord trauma that was secondary to severe torsion. He concluded that Mr. Crosby died as a result of severe blunt force trauma causing disruption to his brainstem which occurred during an encounter with a grizzly bear.

Disruption of the brainstem would result in the cessation of cardiac activity and would explain the lack of significant internal bleeding found in and around the body. The predatory activity documented by Dr. Garrison of the abdomen and anterior thorax, skin and subcutaneous tissue and musculature of extremities were likely to have occurred postmortem.

SUBMITTED BY (SIGNATURE AND DATE) Colette Daigle-Berg--Deputy Coroner <i>Colette Daigle Berg 10/15/15</i>	APPROVED BY (SIGNATURE AND DATE)
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Autopsy Continued:

The conclusion that the blunt force trauma was caused by a grizzly bear is based on several evidentiary facts, the expertise of Bear Management Specialist Kerry Gunther and DNA results of bear hair sent to the Wyoming Department of Fish and Game Laboratory in Laramie Wyoming.

These evidentiary facts include the presence of, in the immediate area of the fatality:

- Three day beds containing bear hair.
- Nine piles of bear scat. At least one scat sample contained what appeared to be human hair.
- Several grizzly bear tracks of sizes consistent with those of an adult female and cubs of the year
- A notable lack of tracks or scat of other predators including black bear, wolves or mountain lions in the area the body was found.
- An adult female grizzly and two cubs of the year were caught in traps set near the fatality site soon after the fatality.
- DNA analysis of the hair collected from the bloody rock found at the scene proved to be a match to a hair sample taken from the female grizzly trapped at the fatality scene late on the night of 8/07 or early on the morning of 8/08.

Also supporting the conclusion that the trauma was caused by a grizzly bear were the canine puncture wounds on the posterior side of his right forearm. These wounds had obvious bruising and are consistent with defensive wounds. These punctures measured approximately 6 cm between the canines. According to Gunther, these wounds are consistent in size with that of an adult, female grizzly bear.

In addition to documenting injuries, Dr. Garrison collected tissue samples of liver and spleen and a urine sample for toxicological analysis. These samples were released to me for inclusion with the vitreous humor I had earlier collected. Two samples of fly eggs and larvae were also collected from the body and released to me for analysis if necessary.

SUBMITTED BY (SIGNATURE AND DATE) Colette Daigle-Berg--Deputy Coroner <i>Colette Daigle Berg 10/15/15</i>	APPROVED BY (SIGNATURE AND DATE)
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COMPLAINANT'S NAME Lance Harold Crosby SSN# [REDACTED] DOB: 01/26/1952 DOD: 08/06/2015	COMPLAINANT'S ADDRESS [REDACTED]	

Toxicology:

Urine, vitreous humor and liver tissue samples from Mr. Crosby's body were packaged and delivered to the Yellowstone Supply Center on 8/11/15 for Federal Express transport to the AIT Laboratory in Indianapolis, Indiana. Tissue collected from the spleen was not submitted at the request of AIT.

Results from the requested comprehensive drug panel were returned from AIT Laboratory on 9/11/15. All analytes tested from the liver sample were negative with the exception of Ethonal which showed a concentration of 2.280 milligrams/gram, Doxepin 45.6 nanograms/gram and Caffeine (no concentration listed).

All analytes tested from the urine sample were negative except for Ethanol in a concentration of 0.029 % (w/v). All analytes tested from the vitreous sample were negative including negative results for Ethanol.

I spoke with AIT Laboratory Forensic Pathologist, Dr. George Behonick and Forensic Pathologist Dr. Charles Garrison for assistance in interpreting the toxicology results. Both pathologists said that the Ethanol present in the liver and urine samples were most likely due to naturally occurring fermentation that occurs during decomposition rather than by ingestion of alcohol by the victim. The fact that the vitreous sample was negative for Ethanol supports this supposition.

Both pathologists advised that the concentration of Doxepin, a prescription drug used to treat depression, anxiety and insomnia, was non-toxic and not a contributing factor in Mr. Crosby's death.

SUBMITTED BY (SIGNATURE AND DATE) Colette Daigle-Berg--Deputy Coroner <i>Colette Daigle-Berg 10/15/15</i>	APPROVED BY (SIGNATURE AND DATE)
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**UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
SUPPLEMENTAL CASE/INCIDENT RECORD**

ORGANIZATIONAL (PARK) NAME Yellowstone National Park		CASE INCIDENT NUMBER CFS # Y080715-26 IMARS# NP15108913
LOCATION OF INCIDENT Elephant Back Mountain, Yellowstone National Park		DATE OF INCIDENT 08/07/2015
NATURE OF INCIDENT Coroner's Report--Grizzly Bear Caused Fatality		
COMPLAINANT'S NAME Lance Harold Crosby SSN# [REDACTED] DOB: 01/26/1952 DOD: 08/06/2015	COMPLAINANT'S ADDRESS [REDACTED]	

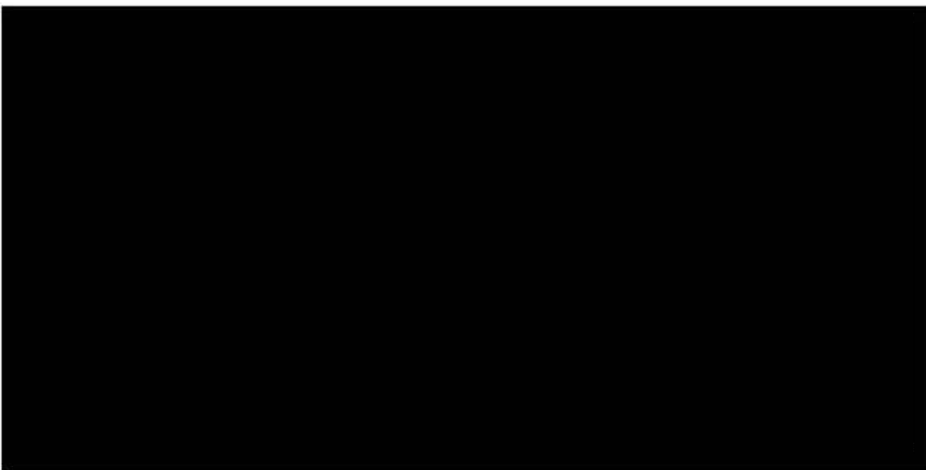
Cause and Manner of Death:

Mr. Crosby's death certificate, 2015-002792, was recorded and filed by Wyoming Vital Statistics on 8/24/2105.

The Manner of Death was recorded as "Accident". Cause of Death was recorded as: "Blunt force Trauma with Disruption to Brain Stem" due to Grizzly Bear Attack.

Disposition of Property:

Mr. Crosby's wedding ring and necklace and his ivory tooth bracelet were released to [REDACTED] at Lake Clinic on 8/08/15. His Montana driver's license was also returned to [REDACTED] after being photo-copied.

Contacts:

SUBMITTED BY (SIGNATURE AND DATE) Colette Daigle-Berg--Deputy Coroner <i>Colette Daigle Berg 10/15/15</i>	APPROVED BY (SIGNATURE AND DATE)
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Contacts Continued:

[REDACTED]

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Kerry Gunther—Bear Management Specialist, Yellowstone National Park
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Brad Ross—Lake District Ranger, Yellowstone National Park
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Winter Phone: [REDACTED]

Dan Hall—Ranger (Lake District), Yellowstone National Park
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Phone: [REDACTED]

SUBMITTED BY (SIGNATURE AND DATE) Colette Daigle-Berg--Deputy Coroner <i>Colette Daigle Berg 10/15/15</i>	APPROVED BY (SIGNATURE AND DATE)
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YELLOWSTONE NATIONAL PARK CORONER'S OFFICE

PO Box 275
Gardiner, MT 59030

AUTOPSY REPORT

Name: LANCE CROSBY
Approximate Age: 63 years
Height: 70 inches

Case No: SI15-0030
Sex: Male
Weight: 190 pounds

Autopsy Authorized By: Colette Daigle-Berg, Y.N.P. Deputy Coroner

I hereby certify that on the **10th** day of August, 2015, beginning at 1800 hours, I, Charles O. Garrison, M.D., performed an autopsy on the body of **Lance Crosby**, at Bonneville County Morgue, and upon investigation of the essential facts concerning the circumstances of the death and history of the case, I am of the opinion that the findings, cause and manner of death are as follows:

FINDINGS:

- I. Diffuse blunt force trauma with abrasions, contusions, lacerations and puncture wounds.
- II. Spinal cord trauma secondary to severe torsion, resulting in brainstem disruption.
- III. Fracture dislocation of vertebral column, T2-T8, with puncture wound of C1.
- IV. Multiple fractures of ribs and sternum, bilateral, with flail chest.
- V. Avulsion of skin and subcutaneous tissue, posterior thorax.
- VI. Extensive predatory activity, skin and subcutaneous tissue, musculature of extremities, anterior thorax and abdomen.
- VII. Bite marks and puncture wounds of both forearms, consistent with defense wounds.

TOXICOLOGY: To be performed by the laboratory utilized by the Yellowstone National Park and the Deputy Coroner.

COMMENT: This 63-year-old male died as a result of severe blunt force trauma incurred during an encounter with a Grizzly Bear. In summation, the scene examination was confined to a relatively small area, as described by the investigating personnel from the Park Service. The scene showed no blood except for that on a rock adjacent to the scene. Hair from the bear was found on the rock according to the coroner. The blood on the rock may be tested to determine whether this represents blood from the decedent or the bear. It is entirely possible that the rock was used as a defensive weapon by the decedent. Secondly, there was no significant internal bleeding found in the decedent. The degree of bleeding, which was found, was consistent with gravitational or residual blood in the vessels rather than that seen during cardiac activity. There was none found around the kidney, which had been partially consumed, in the mesentery, peritoneal cavity or remaining bowel. The left leg is devoid of blood where the musculature and soft tissue had been removed by predatory activity.


COMMENT, CONT'D:

There was none on the boot and there was no evidence of bear or predatory markings on the left boot. The boot was found untied and was most probably in that state prior to the attack.

There are multiple puncture wounds on the upper back with some angulation, both cephalad and caudad. There is puncture of C1 with fracture dislocation of T2-T8 with avulsion of the skin and subcutaneous tissue of the back. These findings are consistent with shaking and, thus, severe torsion that would have led to the disruption of the brainstem at the medulla and pons. There was necrosis found at the site, but no hemorrhage. With brainstem disruption, there would have been cessation of cardiac activity; thus, potentially, resulting in no blood flow – explaining the absence of blood at the scene and internal bleeding. Any subsequent bleeding would have been gravitational from the residual blood within the vessels and would have possibly been lost during predatory activity. In addition, there was a flail chest, with a small amount of blood in the subcutaneous tissue and around the rib fractures, but none within the chest cavity. The only blood in the thorax was that found in the subcutaneous tissues of the posterior thorax, consistent with the torsion resulting from possible shaking by the predator.

CAUSE OF DEATH: SEVERE BLUNT FORCE INJURY WITH DISRUPTION OF BRAINSTEM.

MANNER OF DEATH: ACCIDENT.


Charles O. Garrison, M.D.
Forensic Pathologist

10-5-15
Date

GROSS ANATOMIC DESCRIPTION

I. PERSONS ATTENDING AUTOPSY:

- A. Mark Anderson, Pathology Assistant
- B. Jeff Horton, Pathology Assistant
- C. Colette Daigle-Berg, Y.N.P. County Deputy Coroner
- D. Kerry Gunther, Y.N.P. Bear Management Biologist

II. CLOTHING ITEMS:

- A. Clothing: The body is received in a body bag, wrapped in two white sheets, clad in the following items:
 - 1. Plaid long sleeved shirt (cut prior to autopsy).
 - 2. Dark tee shirt (blood stained, partially cut and rolled up prior to autopsy).
 - 3. Tan khaki pants (pulled down to mid-thigh with left leg pulled up to knee); zipper pulled down halfway and top button is undone with tearing of the button hole (very slightly) with dislodgment of the leather tie holding the button down. There is a tear adjacent to the right front pocket and anterior to it with dried tissue attached to the fabric of the edge of the tear, which extends from the belt loops to approximately two-thirds of the pocket or approximately 14 cm.
 - 4. Brown leather belt. There is tearing superiorly of the first eye of belt. Buckle is silver toned and intact. One of the loops holding the buckle to the belt has been torn on the superior border.
 - 5. Green Jockey briefs (pulled down to mid-thigh and rolled). There are puncture marks with 10.5 cm between the top two puncture marks, and the lower puncture marks show a distance of 8.8 cm. The distance between the top and bottom puncture marks is approximately 13.6 cm on one side and 11.5 cm on the posterior aspect. There is a line of demarcation with blood staining, indicating that the briefs were folded together so that these measurements are with the briefs spread out, rather than with the original rolled position; however, the briefs are also in the position near the tear on the pants.
 - 6. Brown hiking boots (left is undone, but no predatory markings or blood stains).
 - 7. Red socks.
 - 8. Within the bag and the body are a considerable amount of pine needles, dirt, small pebbles and pieces of branches.

III. MEDICAL INTERVENTION: None.

IV. EXTERNAL BODY EXAMINATION: The body is that of a normally developed male with a reported age of 63 years with a body length of 70 inches and estimated body weight of 190 pounds. The body presents with normal build with average nutrition, normal hydration and with injuries as described below. Rigor is absent; lividity is difficult to determine because of body movement. The body is cold to touch post refrigeration. The head is partially covered by gray-black hair. The irides are cloudy and there are no bulbar or palpebral conjunctival petechial hemorrhages. Orbits will be described below. Nasal cavities are unremarkable with intact septum. Facial injuries will be described below. Oral cavity presents with normal dentition. Ears show trauma with no hemorrhage in the external auditory canals. The neck is flexible and there are no palpable masses. Injuries will be described below. Chest, back and abdomen are equal and symmetrical and with injuries described below. Upper and lower extremities are equal and symmetrical, with injuries described below. External genitalia are only partially present due to predatory activity. The anus is intact and without injury.

V. IDENTIFYING MARKS AND SCARS: None identified. There is deposition of fly eggs on the body as well as small first instar larvae. The body has been previously identified by Yellowstone National Park personnel.

VI. EVIDENCE OF INJURY: It should be noted that there are numerous puncture marks and tears in the two shirts, which roughly correspond to injuries on the body. (Photographs are taken of these items and detailed description of the tears and puncture marks on the clothing are not done, except to state that they roughly correspond to the marks on the body). These areas are covered extensively with dirt and pine needles from the site, in which he had been cached.

A. HEAD:

1. Puncture marks on the face below the left eye.
2. Abrasion on the right forehead above the medial aspect of the right eyebrow, measures to approximately 1.5 cm.
3. Small abrasion/hematoma extending from the lateral aspect of the right eyebrow medially and superiorly, measures to approximately 3.5 x 1.5 cm in average dimension.
4. Abrasion/contusion below the right inferior eyelid or an area of approximately 3 cm.
5. Absence of the posterior earlobe on the right, which was found near the right lower quadrant of the abdomen.
6. Puncture marks on the inferior aspect of the right earlobe.
7. Contusion/laceration on the posterior occipital region of the scalp with hemorrhage in the underlying periosteum, measuring to approximately 6 x 3 cm in greatest dimension. There are smaller areas of contusion and hemorrhage within the scalp into the periosteum lateral to these on the posterolateral aspect of the right occipital region; ranging in size from 3 to 2 cm in average dimension.
8. Laceration on the left posterior parietal region, which measures approximately 5 x 3 cm.

EVIDENCE OF INJURY, CONT'D:

9. Contusion/laceration on the occipital region running horizontally over the mid to right occipital region measuring to 10.5 x 1.6 cm.
10. Contusion/laceration over the left posterior parietal and occipital region (vertically oriented), measuring to approximately 6.3 x 0.9 cm.
11. Small puncture wounds in the scalp posteriorly penetrate into the scalp and subcutaneous tissue, but do not penetrate to the cranial cavity.

B. POSTERIOR NECK/BACK:

1. Puncture/laceration on the lateral aspect of the neck measuring to approximately 6.3 x 0.9 cm.
2. On the anterior anterolateral aspect of the left side of the neck above the clavicle, there are several puncture marks with a large laceration measuring to approximately 4.5 cm in length and gaping to approximately 2 cm. There are several puncture marks surrounding this laceration and extending over the left shoulder.
3. The majority of injuries on the back and neck are on the left side. There are multiple puncture wounds and lacerations occupying an area of approximately 30 x 27 cm. The wounds range in size from approximately 0.5 cm to 1 cm in average dimension. There is comminuted fracturing of the left scapula. Of the puncture wounds, some enter straight, others angle superiorly with occasional angling inferiorly.
4. On opening the skin and subcutaneous tissue of the back, there is avulsion of the skin and subcutaneous tissue from the thoracic cage with extensive bleeding into the subcutaneous tissue of the back.
5. Examination of the vertebral column reveals a puncture wound at C1, and with penetration of C2, but not into the spinal cord.
6. There is fracture/dislocation at T2 through T8.
7. Upon removing the vertebral column to expose the underlying spinal cord, there is no hemorrhage within the spinal canal. There is necrosis of the cord at its superior portion, where it adjoins the medulla.

C. CHEST:

1. The anterior chest demonstrates a flail chest with fractures of the sternum in the mid portion and separation of the ribs along random areas, both laterally and medially to include all ribs.
2. There are puncture wounds into the chest, predominantly on the left side and inferiorly.
3. There is an absence of bleeding. (Absence of bleeding is indicative of no cardiac activity). No blood is found within the thoracic cavities on either side and the thoracic cavities are essentially still closed, having not been entered by any predator. The heart and lungs are intact, showing no evidence of injury.
4. There is disruption of the skin and subcutaneous tissue of the chest, with absence of tissue from the sternal notch distally to the level of approximately the 12th rib. Portions of the musculature and soft tissues have been partially removed by predatory activity.

EVIDENCE OF INJURY, CHEST, CONT'D:

5. There are several areas of laceration on the left side of the abdomen, predominantly horizontally oriented with abrasions similarly oriented. The area of exposure of the skin and subcutaneous tissue of the chest occupies an area of approximately 35.4 x 25.4 cm.
6. There are puncture lacerations over the mid abdomen and right lateral abdomen extending distally.
7. There are horizontal lacerations over the left mid and lateral abdomen, ranging in length from approximately 5 to 7 cm.
8. Distal to the umbilicus, there is an opening of the abdomen and both thighs to the inguinal regions with absence of the small intestine and majority of the colon, down to the sigmoid colon. The right kidney is partially absent due to predatory activity.

D. EXTREMITIES:

1. There are puncture wounds on the dorsum of the left hand and on the palmar aspect of the left hand, adjacent to the thumb. Puncture wounds are present on the left forearm, on the posterior aspect. These are consistent with defense wounds.
2. On the right arm and hand there are multiple puncture wounds. On the hand, there are four in number. These are on the lateral aspect and have associated lacerations with the punctures, which go into the depth of the soft tissue. The actual puncture wounds range in size from approximately 0.4 to 0.5 cm in average diameter.
3. On the posterior aspect of the right forearm, there is a distinctive bite mark with measurements of 60 mm (or 6 cm) between the canines, measuring approximately 55 cm between the mandible and maxilla.
4. The right arm injuries are similarly consistent with defensive wounds due to the positioning.
5. The lower extremities are notable by the absence of the posterior soft tissue on the left lower leg, above the boot. The pant leg having been pulled up and the soft tissue removed by predatory activity. There is absence of blood on the boot or the pants adjacent to the area of activity. The blood staining on the pants on the right upper portion is consistent with residual postmortem draining gravitationally, rather than hemorrhaging during the course of cardiac activity.

VII. RADIOLOGY: No postmortem radiographs were taken.

VIII. INTERNAL EXAMINATION: The chest plate is removed and the remaining organs are examined in situ and removed in the usual fashion. The subcutaneous fat has been largely removed by predatory activity, as has the musculature of the chest and abdominal area. The internal organs show marked decompositional changes.

1. **SEROUS CAVITIES:** The chest wall is as described above. The pleura cavity is glistening and devoid of adhesions or effusion. The chest cavity has not been entered. The peritoneal cavity has been entered as described above, but again there is absence of bleeding into the peritoneal cavity related to no cardiac activity. The left and right diaphragms are in their normal location and are intact. The pericardial sac contains no abnormal fluid collection. The peritoneal cavity is open.
2. **CARDIOVASCULAR SYSTEM:** The heart weighs 385 grams. The aorta, pulmonary artery and coronary arteries arise and course normally. The coronary arteries show no atherosclerotic change. The left ventricle wall shows no evidence of scarring or recent infarction. The cardiac valves are thin and pliable and there are no vegetations. The aorta is intact along its length within the thoracic cavity and shows no atherosclerotic change.
3. **PULMONARY SYSTEM:** The neck presents an intact hyoid bone as well as thyroid and cricoid cartilages. The larynx is comprised of unremarkable vocal cords and folds, appearing widely patent without foreign material, and is lined by smooth, glistening membrane. The epiglottis is a characteristic plate-like structure without edema, trauma or pathological lesions. Both the musculature and the vasculature of the anterior neck are as described above. The trachea and spine are in the midline and are as described above. There is no hemorrhage within the strap muscles.

The right and left lungs weigh 425 and 340 grams, respectively. Pleural surfaces are smooth and show no evidence of emphysematous blebs or adhesions. The lung parenchyma is congested but otherwise unremarkable. The trachea and main bronchi are widely patent and free of foreign debris. There are no mass lesions. There are no pulmonary thrombo-emboli.

4. **GASTROINTESTINAL SYSTEM:** The esophagus is intact with normal gastro-esophageal junction and without erosions or varices. The stomach is also normal without gastritis or ulcers. The stomach contains approximately 10 cc of tan mucoid fluid. The bowel is as described above.
The liver weighs 1460 grams. The capsule is intact. The parenchyma is unremarkable. There are no mass lesions. The gallbladder is unremarkable and contains a small amount of greenish bile. There is diffuse cholesterosis. The pancreas is markedly autolyzed.
5. **GENITOURINARY SYSTEM:** The left and right kidneys weigh 225 grams combined weight. The right kidney is partially removed by predatory activity. The capsules strip with ease and the cortical surfaces demonstrate residual fetal lobulations. The parenchyma is unremarkable except for the trauma from predatory activity.
The ureter on the right has been removed with predatory activity. The left ureter is present. The urinary bladder is present and contains approximately 200 cc of clear, yellow urine. External genitalia is only partially identified due to predatory activity.

6. **HEMATOPOIETIC SYSTEM:** The spleen weighs 135 grams presenting a gray, smooth capsule and on sectioning reveals a reddish-brown soft splenic pulp. There is no identifiable lymphadenopathy.
7. **ENDOCRINE SYSTEM:** The thyroid gland is of normal size and shape presenting two well-defined lobes with connecting isthmus and a beefy brown cut surface. There are no goitrous changes or adenomas present. The adrenal glands are of normal size and shape, and sectioning presents no gross pathological lesions. The pituitary gland is encased within an intact sella turcica and presents no gross pathological lesions.
8. **CENTRAL NERVOUS SYSTEM:** The cranial cavity is opened. There is no bleeding or hemorrhage within the cranial cavity. There is mild cerebral edema with minimal flattening of the gyri and minimal narrowing of the sulci. The brain weighs 1620 grams. Upon removing the brain, the overlying dura is intact and unremarkable. There are no epidural, subdural or subarachnoid hemorrhages. The brainstem and cerebelli are intact and with only mild cerebellar tonsillar notching. The Circle of Willis is patent presenting no evidence of thrombosis or berry aneurysm. On coronal sectioning of the brain, the ventricular system is symmetrical and contains clear cerebrospinal fluid. There are no intracerebral hemorrhages or contusions. There are no space occupying lesions present. The medulla is necrotic as described above.

SPECIMENS AND EVIDENCE COLLECTED

- No blood was available for collection.
- Vitreous previously collected by the Deputy Coroner, Colette Daigle-Berg.
- Portions of the liver and spleen are also given to the Deputy Coroner Daigle-Berg.

Photographs are taken and are retained by Charles O. Garrison, MD.
A set of photographs were given to the Deputy Coroner at the end of autopsy.

Representative tissue sections are taken and retained.