



Taxonomic name: *Loxodonta africana*

Family: Elephantidae

Common name: African elephant

Order: Proboscidea

**Current information**

Sex: Female Sire ID: WILD at ZIMBABWE  
 Birth type: Wild Born Dam ID: WILD at ZIMBABWE  
 Birth Location: ZIMBABWE Rearing: Parent  
 Birthdate-Age: ~ 1981 - 26Y,8M,4D +/-1 Yr. Hybrid: Not a hybrid  
 Time since last Acq: 4Y,10M,7D as of report end date

<u>Date in</u>	<u>Acquisition - Vendor/local Id</u>	<u>Holder</u>	<u>Disposition - Recipient/local Id</u>	<u>Date out</u>
14 Oct 2003	Donation from TOLEDO / 423	ASHEBORO / 1611		

<u>Date</u>	<u>Identifier type</u>	<u>Identifier</u>	<u>Location</u>	<u>Comments</u>
6 Oct 1986	Regional Studbook #	210	AZA	
14 Oct 2003	House Name	RAFIKI		

<u>Date</u>	<u>Type</u>	<u>Value</u>	<u>Units</u>	<u>Comments</u>
15 Jul 2003	live animal weight	3504.5	kilogram	At Toledo
21 Jul 2003	live animal weight	3436.4	kilogram	At Toledo
25 Jul 2003	live animal weight	3581.8	kilogram	At Toledo
28 Jul 2003	live animal weight	3450.0	kilogram	At Toledo
12 Aug 2003	live animal weight	3463.6	kilogram	At Toledo
18 Aug 2003	live animal weight	3427.3	kilogram	At Toledo
26 Aug 2003	live animal weight	3536.4	kilogram	At Toledo
8 Sep 2003	live animal weight	3540.9	kilogram	At Toledo
18 Jul 2008	live animal weight	4136.3	kilogram	

<u>Date</u>	<u>Note type</u>	<u>Comments</u>
14 Oct 2003	Acquisition note	Arrived NCZP ~10:00 p.m. by truck by Ed Novack, Rt. 1, Box 126T, Cairo, NY 12413. Unloaded well from truck and placed into quarantine at the elephant barn.
15 Oct 2003	Fecal check/worming	Results of 1st quarantine fecal sample submitted were negative.
15 Oct 2003	Diet Consumption	Still not eating a lot of hay but ate her pellet diet and drank more water in p.m. than previously (is used to having free access to water).
16 Oct 2003	Medical note	Quarantine exam - blood sample collected. Visual check by Vets. Stools are normal, has had several urinations, and water consumption is increasing.
16 Oct 2003	Diet	Began conversion of pellets from Toledo's diet to our Herbivore (75/25).
22 Oct 2003	Fecal check/worming	Results of 2nd quarantine fecal sample submitted were negative.
22 Oct 2003	Diet	Conversion to Mazuri diet complete.
29 Oct 2003	Fecal check/worming	Results of 3rd quarantine fecal sample submitted were negative.
2 Nov 2003	Reproductive behavior	Had small amount of mucousy, stringy vaginal discharge in a.m. After ~1 hr didn't see it again.
3 Nov 2003	Reproductive behavior	A small amount of mucousy discharge present in a.m. urination but none observed rest of day.
5 Nov 2003	Fecal check/worming	Results of 4th quarantine fecal sample submitted were negative.
10 Nov 2003	Fecal check/worming	Results of 5th quarantine fecal sample submitted were negative.
10 Nov 2003	Reproductive behavior	Observed some mucousy vaginal discharge in p.m. after a urination.
13 Nov 2003	Adult/adult behavior	Began side-by-side introduction. Placed in adjacent stalls. After a couple of roars from each other, there was a lot of putting trunks in each others mouth and seeing who could reach the highest. No urinations or defecations when they first made contact. Preliminary signs show that 1611 may be the dominant cow as 1367 turned her rear end to 1611 on several occasions and 1611 sniffed 1367's uro-genital area. 1611 only turned her rear end to 1367 once and then had her rear foot stuck out as if to kick. Later, 1611 seen taking hay from 1367 as she watched. 1611 also seen eating 1367's feces, even going down on her front knees to reach it. Separated for the night with a stall between them.



14 Nov 2003	Adult/adult behavior	<p>This comment was added to the following specimens: 1367, 1611.</p> <p>Given adjacent stalls from 11:45 to 3:30. No problems. More and deeper rumbling when first put together. Given adjacent stalls overnight.</p>
15 Nov 2003	Adult/adult behavior	<p>This comment was added to the following specimens: 1367, 1611.</p> <p>Continued howdy with access to paddock, divided by E9 (ERD bar door). No problems. Screaming and urination when given 1st access. Fair amount of time in tactile head to head contact; also equal amount of time separate. Both were anxious when 1st separated in p.m. Were adjacent overnight.</p>
16 Nov 2003	Adult/adult behavior	<p>This comment was added to the following specimens: 1367, 1611.</p> <p>Intro - each given half of barn and paddocks with howdy set up in barn and at ERD. Initial contact was head first tactile with low rumbles and 1367 urinating. The majority of time was spent with 1367 one stall away and 1611 at gate watching and swaying. Cooperative feed went well. They are using the same water tub.</p>
17 Nov 2003	Adult/adult behavior	<p>This comment was added to the following specimens: 1367, 1611.</p> <p>Intro continued - today first day both together. Given complete paddock and stall run-around. Initial set up was with tactile access same as yesterday. On initial contact, 1367 spun around, vocalized, urinated and defecated. Worked a coop feed then opened access door. No response from either elephant. No problems overall. Given run-around from 11:30 p.m. to 3:00 p.m. There were a couple of occasions where both animals occupied a stall feeding. Given adjacent stalls overnight.</p>
18 Nov 2003	Adult/adult behavior	<p>This comment was added to the following specimens: 1367, 1611.</p> <p>Given complete paddock run-around. Followed same procedure as yesterday. Uneventful introduction.</p>
20 Nov 2003	Intro to New Enclosure	<p>This comment was added to the following specimens: 1367, 1611.</p> <p>Attempted to put both females on exhibit. Let them out of stall into inner paddocks together hoping 1367 would lead the way, and at first she did. They both got up to the exhibit gate then 1367 noticed the flagging on the wire and at the same moment, 1611 grabbed some grass along the side of the runway, and grabbed the hotwire and broke it. Both elephants were brought back into barn and hotwire repaired. When let back out, 1367 wouldn't go past curve in runway and 1611 stayed at the bottom of the runway. Finally got 1611 past 1367 and worked her up even with the exhibit gate, but would go no further. Both elephants brought back into stalls.</p>
21 Nov 2003	Intro to New Enclosure	<p>This comment was added to the following specimens: 1367, 1611.</p> <p>No progress getting females to enter exhibit.</p>
24 Nov 2003	Intro to New Enclosure	<p>This comment was added to the following specimens: 1367, 1611.</p> <p>#1611 finally went on exhibit after #1367 sent out ahead without her. Reluctant to come in at closing. Did not want to enter chute, became very upset, but eventually came in.</p>
25 Nov 2003	Intro to New Enclosure	<p>This comment was added to the following specimens: 1367, 1611.</p> <p>Exhibited. #1611 did well on exhibit; she explored the whole exhibit, took a couple mudbaths, seems to respect her boundaries. Attempted to bring animals off exhibit @ 2:30 p.m., but 1611 balked at gate. Attempted to bring her in again @ 6:30 p.m., trying every combination of commands and manipulation, but she would not come in. Keeper/Curator returned at 8:30 p.m. to make a final unsuccessful attempt.</p>
26 Nov 2003	Intro to New Enclosure	<p>This comment was added to the following specimens: 1367, 1611.</p> <p>#1611 backed past gate and down runway at 8:16 a.m., and both were secured in stall after spending the night on exhibit.</p>
9 Dec 2003	Adult/adult behavior	<p>This comment was added to the following specimens: 1367, 1611.</p> <p>Both on exhibit mid a.m.; 1611 walked right out. Started bringing 1611 in at 1:30 p.m. She walked right</p>



1 Oct 2006	Reproductive behavior	This comment was added to the following specimens: 27, 1611. 2 observed copulations with confirmed intromission/ejaculation. Unable to collect semen sample as both copulation sites were in the middle of the exhibit.
2 Oct 2006	Reproductive behavior	This comment was added to the following specimens: 27, 1611. No courtship / breeding behavior observed.
5 Oct 2006	Medical note	This comment was added to the following specimens: 27, 1611. PROCEDURE - Blood collected.
7 Oct 2006	Reproductive behavior	This comment was added to the following specimens: 27, 1367, 1611. Low intensity precopulatory follow/chase.
12 Oct 2006	Medical note	This comment was added to the following specimens: 27, 1611. PROCEDURE - Blood collected.
19 Oct 2006	Medical note	This comment was added to the following specimens: 1367, 1611. Blood collected.
26 Oct 2006	Medical note	This comment was added to the following specimens: 1367, 1611. PROCEDURE - Blood collected.
1 Nov 2006	Fecal check/worming	This comment was added to the following specimens: 1367, 1611. Results of routine group fecal sample submitted were negative.
2 Nov 2006	Medical note	This comment was added to the following specimens: 1367, 1611. PROCEDURE - Blood collected.
6 Nov 2006	Behavior note	This comment was added to the following specimens: 27, 1367, 1611. Individually closed in preset ERD, no straps applied, bonused and released. 1367 had A & D ointment applied to minor scrape between left eye and tusk while in ERD. One keeper worked both elephants in ERD, another keeper worked ERD gates.
8 Nov 2006	Medical note	This comment was added to the following specimens: 1367, 1611. PROCEDURE - Blood collected
16 Nov 2006	Medical note	This comment was added to the following specimens: 1367, 1611. PROCEDURE - Blood collected.
20 Nov 2006	Physical condition	This comment was added to the following specimens: 1367, 1611. Area between bifurcations of left tusk appears to be flatter.
23 Nov 2006	Medical note	PROCEDURE - Blood collected.
28 Nov 2006	Behavior note	This comment was added to the following specimens: 1367, 1611. Broke station at start of bath routine; once keeper got her "engaged", worked very well and finished bath routine.
30 Nov 2006	Medical note	PROCEDURE - Blood collected.
7 Dec 2006	Medical note	This comment was added to the following specimens: 1367, 1611. PROCEDURE - Blood collected.



		This comment was added to the following specimens: 27, 1367, 1611.
14 Dec 2006	Medical note	PROCEDURE - Blood collected.
21 Dec 2006	Medical note	PROCEDURE - Blood collected.
		This comment was added to the following specimens: 1367, 1611.
28 Dec 2006	Medical note	PROCEDURE - Blood collected.
		This comment was added to the following specimens: 1367, 1611.
4 Jan 2007	Medical note	Blood collected.
		This comment was added to the following specimens: 27, 1367, 1611.
5 Jan 2007	Fecal check/worming	Results of routine group fecal sample submitted were negative.
		This comment was added to the following specimens: 1367, 1611.
11 Jan 2007	Medical note	PROCEDURE - Blood collected.
18 Jan 2007	Medical note	PROCEDURE - Blood collected.
		This comment was added to the following specimens: 1367, 1611.
20 Jan 2007	Physical condition	Measured heights of all elephants - found spot on wall or mesh where top of front shoulder comes to: 27 - 10' 2"; 1611 - 8' 10"; 1367 - 8' 8"
		This comment was added to the following specimens: 27, 1367, 1611.
24 Jan 2007	Medical note	Showed displaced aggression 2 times by butting the pipeline pig when asked to "lean in". Given 2 time outs, and after 2nd was attentive and finished without further incidence.
25 Jan 2007	Medical note	PROCEDURE - blood collected.
		This comment was added to the following specimens: 1367, 1611.
9 Feb 2007	Medical note	PROCEDURE - Blood collected.
		This comment was added to the following specimens: 27, 1367, 1611.
12 Feb 2007	Medical note	PROCEDURE - Blood collected.
15 Feb 2007	Medical note	PROCEDURE - Blood collected.
		This comment was added to the following specimens: 1367, 1611.
22 Feb 2007	Medical note	PROCEDURE - Blood collected.
		This comment was added to the following specimens: 1367, 1611.
27 Feb 2007	Medical note	PROCEDURE - Collected trunkwash for TB testing (#1 of 3), sample taken to vet hospital.
1 Mar 2007	Medical note	PROCEDURE - Blood collected.
		This comment was added to the following specimens: 27, 1367, 1611.
4 Mar 2007	Medical note	Collected trunk wash for TB testing (2 of 3) and submitted to vet hospital.
5 Mar 2007	Medical note	Collected trunk wash for TB testing (3rd of 3) and submitted to vet hospital.
6 Mar 2007	Fecal check/worming	Results of routine group fecal sample submitted were negative.
		This comment was added to the following specimens: 1367, 1611.
8 Mar 2007	Medical note	PROCEDURE - Blood collected.
		This comment was added to the following specimens: 1367, 1611.
15 Mar 2007	Medical note	PROCEDURE - Blood collected.
19 Mar 2007	Medical note	TREATMENT - Received tetanus vaccine by keeper.



26 Mar 2007	Reproductive behavior	Clear, thick vaginal discharge observed in a.m. (usually portends onset of ovulation).
28 Mar 2007	Reproductive behavior	Still emitting estrus rumbles during the day.
28 Mar 2007	Diet	Diet conversion, day 1 of 3, for 25% wild herbivore and 75% herbivore.  This comment was added to the following specimens: 27, 60, 941, 942, 1367, 1611.
29 Mar 2007	Medical note	PROCEDURE - Blood collected.  This comment was added to the following specimens: 1367, 1611.
29 Mar 2007	Reproductive behavior	27 given access to ERD to howdy with 1611 to assess breeding status before let back out into North Exhibit for first time in several months with modified containment to protect turf. He tested her, she backed up bars and he achieved an erection 1 time. Lots of smelling of the temporals, trunks to mouth.  This comment was added to the following specimens: 27, 1611.
31 Mar 2007	Diet	First day of 50/50 conversion of herbivore to wild herbivore.  This comment was added to the following specimens: 27, 60, 941, 942, 1367, 1611.
3 Apr 2007	Diet	Began 75% wild herbivore, 25% herbivore of diet conversion.  This comment was added to the following specimens: 27, 60, 941, 942, 1367, 1611.
5 Apr 2007	Medical note	PROCEDURE - Blood collected.  This comment was added to the following specimens: 27, 1367, 1611.
10 Apr 2007	Diet	Diet conversion continues - 75% wild herbivore, 25% herbivore. Elephants appear to show preference to (old) herbivore, eat it first out of mixed diet, then eat (new) wild herbivore.  This comment was added to the following specimens: 27, 1367, 1611.
11 Apr 2007	Reproductive behavior	Observed confirmed intromission around north entry gate area in p.m.  This comment was added to the following specimens: 27, 1611.
19 Apr 2007	Medical note	Routine blood draw from Left ear.  This comment was added to the following specimens: 1367, 1611.
25 Apr 2007	Fecal check/worming	Results of routine group fecal sample submitted were negative.  This comment was added to the following specimens: 1367, 1611.
26 Apr 2007	Medical note	Routine schedule blood collection from right ear.  This comment was added to the following specimens: 1367, 1611.
27 Apr 2007	Diet	Return to 50/50 Wild Herbivore to "old" Herbivore until "old" Herbivore is used up.  This comment was added to the following specimens: 27, 1367, 1611.
9 May 2007	Medical note	Routine blood draw from Right ear.  This comment was added to the following specimens: 27, 1367, 1611.
18 May 2007	Medical note	Routine blood draw from right ear.
24 May 2007	Medical note	Routine blood draw.
31 May 2007	Medical note	routine blood draw.
2 Jun 2007	Reproductive behavior	27 was doing estrus checks on both girls while on exhibit today.  This comment was added to the following specimens: 1367, 1611, 27.
7 Jun 2007	Medical note	Routine blood draw.
14 Jun 2007	Medical note	Routine blood collection and submitted to VMC.



21 Jun 2007	Medical note	Routine blood collection.
28 Jun 2007	Medical note	Routine blood draw from Right ear.
5 Jul 2007	Medical note	Routine blood draw from left ear - Red and purple tops collected and sent to vet hosp.
5 Jul 2007	Diet	AM portion of grain diet discontinued UFN due to non-consumption. PM grain diet remains unchanged.
		This comment was added to the following specimens: 27, 1367, 1611.
7 Jul 2007	Reproductive behavior	27 seen giving mild chase with erection to 1611.
		This comment was added to the following specimens: 27, 1611.
7 Jul 2007	Reproductive behavior	27 seen giving mild chase with erection to 1611.
		This comment was added to the following specimens: 27, 1611.
9 Jul 2007	Reproductive behavior	27 observed giving chase to 1611 with erection in AM. At mid-pm, 27 observed breeding 1611, intromission observed with ejaculation.
		This comment was added to the following specimens: 27, 1611.
11 Jul 2007	Fecal check/worming	Results of routine group fecal sample collected were negative.
		This comment was added to the following specimens: 1367, 1611.
12 Jul 2007	Medical note	routine blood collection
19 Jul 2007	Medical note	BLOOD COLLECTION routine left ear collected.
23 Jul 2007	Medical note	Has swelling under right rear eye that is warm to the touch but not pressure sensitive.
26 Jul 2007	Medical note	Routine blood draw from Right ear
30 Jul 2007	Reproductive behavior	REPRODUCTION: Once on exhibit 1611 was at gate and 27 checked her urine.
		This comment was added to the following specimens: 27, 1611.
30 Jul 2007	Reproductive behavior	REPRODUCTION: Once on exhibit 1611 was at gate and 27 checked her urine.
2 Aug 2007	Medical note	-routine blood draw at left ear
9 Aug 2007	Medical note	Routine blood collection form right ear.
16 Aug 2007	Medical note	Routine blood draw from rt ear.
28 Aug 2007	Fecal check/worming	Results of diagnostic fecal sample submitted were negative.
6 Sep 2007	Medical note	Blood collected.
		This comment was added to the following specimens: 27, 1367, 1611.
13 Sep 2007	Medical note	Routine blood collection out of the rt ear taken to VMC
20 Sep 2007	Medical note	Routine blood draw from Left ear, red top sent to vet hospital. Excellent responses.
27 Sep 2007	Medical note	Routine blood draw from Left ear - red top sent to vet hosp.
3 Oct 2007	Reproductive behavior	REPRODUCTION: Lots of testing/following of 1611 a.m. by 27.
4 Oct 2007	Medical note	Routine blood collection from rt ear taken to VMC
11 Oct 2007	Medical note	Routine collection from left ear; sample submitted to VMC
18 Oct 2007	Medical note	BLOOD COLLECTION: routine collection @ right ear, sample submitted to VMC
19 Oct 2007	Fecal check/worming	Results of routine group fecal sample submitted were negative.
		This comment was added to the following specimens: 1367, 1611.
25 Oct 2007	Medical note	Routine blood draw done from Left ear, red top sent to vet center.
1 Nov 2007	Medical note	Routine blood collection from rt ear taken to VMC.
8 Nov 2007	Medical note	Routine blood collection right ear.
15 Nov 2007	Medical note	Routine blood collection from lt ear taken to VMC
23 Nov 2007	Medical note	Routine blood draw rt ear taken to VMC.
29 Nov 2007	Medical note	Routine blood draw from Left ear.



30 Nov 2007	Medical note	Rinsed out sulcus, some pus present today.
6 Dec 2007	Medical note	Routine blood draw from Right ear.
20 Dec 2007	Medical note	Routine blood sample collected by keeper Shupp and delivered to VMC.
27 Dec 2007	Medical note	Routine blood collection from lt ear .
4 Jan 2008	Medical note	Routine blood collection from rt ear purple and red tops taken to VMC
7 Jan 2008	INTRODUCTION	[27/1367/1611] Given access to South Exhibit @ 11:30 till 2:15. 27 readily passed through and promptly pushed over dead tree and grazed on the fresh grass. 1611 was hesitant but made it through in about 45 min. 1367 did not enter the transfer. *All went well but 27 can still reach some exposed hydraulics and pvc tubes.  This comment was added to the following specimens: 27, 1367, 1611
8 Jan 2008	Reproductive behavior	REPRODUCTION: 27 seen chasing/escorting 1611 around exhibit, also checking urine several times, 27 observed resting head on 1611 rump.
10 Jan 2008	Medical note	Routine blood draw from Left ear by K.Lympany, red top sent to vet hospital.
17 Jan 2008	Medical note	Routine blood draw from Right ear by K.Shupp, red top sent to vet hosp.
24 Jan 2008	Medical note	Routine blood draw from left ear by K. Kopaniasz. Blood taken to VMC.
31 Jan 2008	Medical note	Routine blood collection from K. Shupp from rt ear. Blood taken to VMC
7 Feb 2008	Medical note	Routine blood collection from left ear Red and Purple tops taken to VMC.
15 Feb 2008	Medical note	Routine blood draw from ear.
21 Feb 2008	Medical note	Routine blood collection.  This comment was added to the following specimens: 1367, 1611.
25 Feb 2008	Medical note	TB trunk wash, #3 of 3, sample taken to vet hospital.
26 Feb 2008	Medical note	TB trunk wash done by K.Shupp in am, #1 of 3.
27 Feb 2008	Medical note	TB trunk wash done in am (#2 of 3).
28 Feb 2008	Medical note	Routine blood sample collected from L ear, 3 of 3 TB Trunk Wash samples collected.
6 Mar 2008	Medical note	Routine blood collection via right ear (red top) submitted to VMC
13 Mar 2008	Medical note	Routine blood draw from Left ear, red top taken to vet hospital.
20 Mar 2008	Medical note	Routine blood draw.
23 Mar 2008	Medical note	Received 1ml tetanus vaccine in rear Left hock.
26 Mar 2008	Reproductive behavior	Found mucous plug in stall unsure who from.  This comment was added to the following specimens: 1367, 1611.
27 Mar 2008	Medical note	Routine blood collection.
3 Apr 2008	Medical note	Routine blood collection.  This comment was added to the following specimens: 27, 1367, 1611.
3 Apr 2008	INTRODUCTION	INTROS: 1771/1772 put on exhibit in South before all others. 1611 and 1367 came out shortly after. 1611 was running and trumpeting along the the south exhibit side with 1367 following her. 1771 ran over with ears flared and also trumpeted. 1367 turned her back right away but 1611 stood tall with ears flared. Both stood with ears flared looking at each other. 1771 did turn and run back towards gate. 1611 and 1367 just stood with ears flared and then started to run back and forth again trumpeting. 1771 then came back over with ears flared and started grazing near North exhibit. 1771 went back to look for 1772 which was up by the gate. She then ran back over towards 1611 and 1367 they both turned backs to 1771. 1367 also did a head stand at one point and 1771 did a head stand and tusked the ground once. When 27 came out everything calmed down and 1771 did eat along the North exhibit. Overall good interactions observed.  This comment was added to the following specimens: 1367, 1611, 1771, 1772.
6 Apr 2008	Reproductive behavior	27 Observed sniff-testing 1611 but no Flehmen responses noted.
10 Apr 2008	Medical note	Blood sent to vet. Hospital.



17 Apr 2008	Medical note	Routine blood draw.
19 Apr 2008	Reproductive behavior	REPRODUCTIVE: 27 Observed chasing 1611 in N.ELEX for second day, no confirmed mountings or intromission, all were back to normal behavior by end of day.
1 May 2008	Medical note	Routine blood collection.
		This comment was added to the following specimens: 27, 1367, 1611.
15 May 2008	Medical note	Routine blood sample collected.
		This comment was added to the following specimens: 1611, 1367.
29 May 2008	Medical note	Routine blood draw
2 Jun 2008	Medical note	Routine blood collection.
		This comment was added to the following specimens: 1611, 1367.
5 Jun 2008	Medical note	Routine blood draw (red/purple top) submitted to VMC.
6 Jun 2008	Behavior note	Intros: 1611, 1367, 1768 allowed access to each other through stall bars inside barn. 1768 unwilling to enter barn when other cows present, but did look inside from time to time. She was somewhat nervous, but not overly so.
		This comment was added to the following specimens: 1367, 1611, 1768.
8 Jun 2008	INTRODUCTION	Intros: in pm 1367 put in EBS2, 1611 in EBS3 while 1768 had access from paddock to vestibule of EBS1/2 as to give her potential for contact thru bars w/1367, for the most part 1768 stood in doorway and wouldn't come into vestibule.
11 Jun 2008	INTRODUCTION	Intros: 1768 given EBNPAD1 and EBS2 overnight, and 1367/1611 given EBNPAD2 and EBS3 overnight, for howdy.
14 Jun 2008	Diet	Temporarily cut grain diet 25% due to them not consuming it.
		This comment was added to the following specimens: 1367, 1611.
17 Jun 2008	Fecal check/worming	Results of diagnostic fecal sample submitted wre negative. Culture to Antech.
17 Jun 2008	Medical note	Collected blood from left ear and taken to VMC. Collected fecal and taken to VMC. Performed hydrotherapy on belly 5 min on each side. K. Cordier put DMSO on belly for edema.
18 Jun 2008	Medical note	Treated edema with DSMO, hydrotherapy 5min each side looks the same as yesterday. Given 12 bananas for potassium.
19 Jun 2008	Medical note	Routine blood draw.
20 Jun 2008	Medical note	Rec'd 6 bananas and three potatoes for K+.
		This comment was added to the following specimens: 1367, 1611, 1768, 1771, 1772.
22 Jun 2008	Medical note	Treated edema with DMSO and given hydrotherapy. Area seems slightly reduced.
22 Jun 2008	INTRODUCTION	Introduction: We found evidence (feces) that 1768 spent some time in stall next to 1611 & 1367.
23 Jun 2008	Medical note	Treated edema with DMSO and hydrotherapy. Her edema seems reduced on the right side, but not the left. Received 6 bananas & 3 white potatoes.
23 Jun 2008	INTRODUCTION	Introductions: We left door A1 open about 2 ft. between EBNPAD1 & EBNPAD2 so 1768 and 1611/1367 could interact more. We observed some trunk to mouth and other tactile behaviors.
26 Jun 2008	Medical note	Routine blood draw.
27 Jun 2008	Reproductive behavior	Vaginal mucus plug found during am cleaning. Not sure if from 1367 or 1611.
		This comment was added to the following specimens: 1367, 1611.
27 Jun 2008	INTRODUCTION	INTRODUCTIONS - 1367/1611, 1768 All went well and all remained calm. Some pursuit of 1768 by 1611 but no aggression observed. Cows remained together throughout day and separated at closing. Spent most of afternoon in respective corners. Keepers were able to bathe as a group and cooperative fed.
		This comment was added to the following specimens: 1367, 1611, 1768.



28 Jun 2008	Reproductive behavior	Clear vaginal discharge observed for 2nd consecutive day.
28 Jun 2008	INTRODUCTION	Training/Introduction: K.Small/Cordier held 1611/1367 while barn doors A1, A2, B2 were opened to allow all 3 females access to runaround. Not nearly the chasing, urination/defecation as yesterday. 1768 backed up to 1611 on numerous occasions throughout the day. All got startled after lunch but within 2-3 minutes all were back calm. Did not see 1367 interact much with 1768, as yesterday, all were brought in line along bars and given baths in sight and almost touching of one another - done three times throughout day. All had access to the barn/paddocks the whole time, separated for the night.  This comment was added to the following specimens: 1611, 1367, 1768.
29 Jun 2008	INTRODUCTION	Training/introductions: 1367/1611/1768 were put together again today but with paddocks EBNPAD 1 and 2 only (no barn access), just opened bollard door (A1) no problems. 1768 observed backing up to 1367 more, and a couple more interactions with 1367, but 1367 still reluctant to come up to 1768 on her own. Only glitch was 1768 was in EBNPAD1 by herself and was in corner by concrete dividing wall when 1611 came over from EBNPAD2 and startled her, everyone got startled, but after a couple minutes everyone calmed down, and pretty dull for the rest of the day.  This comment was added to the following specimens: 1611, 1367, 1768.
30 Jun 2008	INTRODUCTION	Training/Intros: 1367/1611/1768 in EBNPAD1 and 2 during day, everyone continues to do well. There was more time spent with all three in same paddock. 1768 seen eating next to 1611 a few times, very relaxed. All also did well when Kivett came to pump, all three got together. Bathed a couple times, also a couple more interactions between 1768 and 1367.  This comment was added to the following specimens: 1611, 1367, 1768.
2 Jul 2008	Reproductive behavior	Vaginal discharge observed, 3 time in last 4 days.  This comment was added to the following specimens: 1611.
2 Jul 2008	INTRODUCTION	INTRODUCTIONS (1367/1611/1768)Continued w/out incident. Worked tandem baths then lined up together. 1768 was brought within 7' alongside 1611 before she reached her threshold. No aggression at anytime from 1611. Keepers noted, 1367/1768 spending more time in each others paddocks.  This comment was added to the following specimens: 1367, 1768, 1611.
3 Jul 2008	Medical note	Routine blood sent to vet. Hospital.
3 Jul 2008	INTRODUCTION	Introduction: 1768 was introduced to 1611/1367 with no problems. They were closed into 1 paddock for half the day. They were also shifted into stalls side-by-side in the barn.( Went well)  This comment was added to the following specimens: 1611, 1367, 1768.
4 Jul 2008	INTRODUCTION	Intros: Continue to go well. 1367/1611/1768 given both EBNPAD1 and 2 thru lunch, did fine, one instance of 1768 being 'surprised' by 1611 as she came from EBNPAD2 to EBNPAD1 (as before) and were again fine after a couple minutes. All locked into EBNPAD1 after lunch. Sprayed off with hose throughout day.  This comment was added to the following specimens: 1611, 1367, 1768.
5 Jul 2008	INTRODUCTION	INTROS: 1367/1611/1768 Continue w/ intros. No problems all held in barn side by side. After 1 pm all held in EBNPAD1 with no problems.  This comment was added to the following specimens: 1367, 1611, 1768.
6 Jul 2008	INTRODUCTION	1367/1611/1768 Introductions continue to go very well. All held in EBNPAD1 after 1pm and until closing as in previous days.]
7 Jul 2008	INTRODUCTION	Intros: Continue as usual, 1768/1367/1611 in EBNPAD1 and 2 in morning, closed into just EBNPAD1 in afternoon, all continue to do fine, eating side by side throughout day.  This comment was added to the following specimens: 1768, 1367, 1611.
8 Jul 2008	INTRODUCTION	Introduction: Going well with 1611/1367/1768. Will only report significant changes UFN.
9 Jul 2008	INTRODUCTION	Introduction: 1611/1367/1768 were introduced again in the a.m. with no problems. They will stay together



		overnight for the first time.
10 Jul 2008	Medical note	Routine blood collection
11 Jul 2008	INTRODUCTION	<p>INTROS: 1367/1611/17678 all being housed together.</p> <p>1768 went over into EBNPAD2 with 1367/1611 but took a while to accomplish. All brought into barn and locked in stalls to rec grain. 1768 reluctant to allow herself to be locked in. took some time but eventually was able to lock her in. All brought in-line in EBNPAD1 tried to bring all 3 into EBNPAD2 but 1768 would not come. All 3 given access to both paddocks but all food was given in EBNPAD2. All observed in paddock together for most of day. 1768/1367 observed taking a bath together out of drinker and puddle. Did work all 3 in-line and moved all around the paddock. Went well!</p>
		This comment was added to the following specimens: 1367, 1611, 1768.
12 Jul 2008	INTRODUCTION	<p>INTROS: While bringing 1367/1611 into barn through door 2B 1768 acted like she wanted to follow them into barn. 1611/1367 then shifted down into EBST2 and EBST1 respectively and 1768 was closed into EBST3 w/o incident and remained calm during 1367/1611 bath and foot trim. 1768 given bath and did well. All were released to EBNPAD1 via door 2A w/o problems. All observed in same paddock most of day. 1367/1768 observed bathing from the drinker and puddle together. No problems shutting 1768/1611/1367 into EBNPAD2 for cleaning.</p>
14 Jul 2008	Behavior note	<p>BEHAVIOR NOTE: 1367 in EBST1 with 1611 in EBST2 were observed pushing on each other through the bollards. 1611 observed drawing back and jabbing 1367 with tusk. A little trunk wrestling observed. No injuries. Same behavior was observed yesterday briefly.</p>
17 Jul 2008	Medical note	BLOOD COLLECTION
22 Jul 2008	INTRODUCTION	<p>Intros: 1367/1611/1768 put together in ELBPAD1 in am, 1611 was very pushy with 1768, trying to assert her dominance (1768 was seperated overnight last night for runway acclimation.) 1611 rumbled, 1768 screamed and 1367 trumpeted, when all were together, after a few minutes all calmed down. 1367/1611/1768 in ELBPAD1 and 2 during day. All left together overnight.</p>
		This comment was added to the following specimens: 1367, 1611, 1768.
23 Jul 2008	INTRODUCTION	<p>Intros: 1367/1611/1768 held in ELBPAD2 while gates to south exhibit opened - 1367/1611 went right out, 1768 contorted/banged in paddock briefly, then started to go into runway. After a couple attempts she made it all the way to open gate, looked out and went back to paddock. Did this for a while, finally gate was shut and she was left with runway access, fed hay/grain at gate. Went back and forth from gate paddock throughout day. Pool drained and left about halfway down for intros.</p>
24 Jul 2008	INTRODUCTION	<p>INTRODUCTIONS: Continued same as yesterday - 1367/1611 went out to exhibit quickly, 1768 hung around paddock/runway a while. Today 1611 was hanging out at exhibit gate, and it was eventually shut and she moved on. 1768 given runway access during day.</p>
25 Jul 2008	INTRODUCTION	<p>INTRODUCTIONS: Same as yesterday thru ~2pm, 1768 traveling between paddock/exhibit gate, keepers made a few attempts to get her to go out. 1768 given runway access between attempts. At ~2pm keepers fed 1611/1367 at transfer and 1768 did go out onto exhibit. 1768 stayed on south end of exhibit ~20-3- min before 1611 noticed 1768 and went over to her. 1611 displayed, did headstand, put trunk on 1768's back and pushed a little, then calmed back down (1768 still showing all appropriate submissive behaviors). 1367 joined 1768/1611 and all were fine after that. At ~3:30 1611/1367 held at front of exhibit so 1768 could come in first - 1768 proceeded to break exhibit gate while coming in. 1768 held in ELBPAD2, 1611/1367 held in transfer while gate was fixed.</p>
		This comment was added to the following specimens: 1768, 1611, 1367.
26 Jul 2008	Medical note	PROCEDURE: Blood taken.
31 Jul 2008	Medical note	Routine blood draw.
1 Aug 2008	INTRODUCTION	<p>1611, 1367, 1768 were exhibited in the South and brought in at 3:00 p.m. It took about an hour and two attempts to get 1768 to go on exhibit. She went off exhibit in about 10 minutes.</p>
2 Aug 2008	Medical note	<p>Broke upper tine of bifurcated tusk sometime during day (on exhibit), piece not found.</p>
2 Aug 2008	Intro to New Enclosure	<p>Elephant: 27 on exhibit in North. [1367/1611 in South until ~3:30, 1768 also in south from ~12:30 to 3:30.] All others in paddocks.</p>
2 Aug 2008	INTRODUCTION	<p>Intros: 1367/1611/1768 in south today - all secured in EBNPAD2, brought in to station, door to runway</p>



opened and 1367/1611 started to exhibit, although slowly in hopes that 1768 would stay with them and go out. 1768 stopped while 1367/1611 kept on to exhibit. K.Shupp was at elephant transfer to distract 1367/1611 but 1611 paid no attention (1367 stayed to be fed) but 1611 did come back to gate at that time. 1768 would come up to exhibit gate but only a step or two past and come back into runway. K.Small went up on berm to try and call her out into exhibit (like yesterday) but she wouldn't come. After several attempts and about 1 hour gate 2 in runway was closed, only giving 1768 one exit (the exhibit), but still she wouldn't go past gate. Eventually 1367 came and both 1367 and 1768 stood in runway. 1367 left and 1611 came up and there was more standing in runway. Finally 1611 got past 1768 and 1768 was between 1611 and the exhibit, keepers called 1611 and she was pushing 1768 up the hill, eventually pushing 1768 into the exhibit. After a couple of minutes everyone was calm and grazing. After about 1 hour 1768 was observed standing in the edge of pool throwing water on herself, and she was seen drinking out of the nelson drinker. 1367/1611/1768 brought in ~3:30 in case of problems, 1768 a little reluctant, had to get 1367/1611 secured in EBNPAD12 but 1768 did come in, all told about 20 min.

4 Aug 2008 Behavior note Shifted to S.elex only, did well all out within 15-20 min. 1768 did better, returned once. Keepers waited until she appeared comfortable before securing gate without incident

This comment was added to the following specimens: 1367, 1611, 1768.

8 Aug 2008 Fecal check/worming Results of routine fecal sample submitted were negative.

This comment was added to the following specimens: 1611.

8 Aug 2008 Fecal check/worming Results of group routine fecal sample submitted were negative.

This comment was added to the following specimens: 1367, 1611, 1768.

<u>Date</u>	<u>Enclosure</u>	<u>Reason</u>
14 Oct 2003	ELS3	Quarantine in elephant barn.
28 May 2008	ELPB	Housing Change: 1367/1611 moved over to new barn; stationed in ELPB, then got 1611 to go into connecting corridor but 1367 wouldn't go out of paddock, 1611 went all the way over to ENBPAD2, viewed 1768, both roared, 1611 came running back to ELPB, 1611 went over several times but 1367 wouldn't leave paddock. All female elephants started getting upset so attempt was called to let all calm down. After 45 min another attempt was made, 1367 in corridor first and both walked over pretty as you please. Kept in paddocks where both 1367/1611 viewed 1768 and she saw them. 1768 backed up toward mesh gate a couple steps and 1367/1611 both very interested, after 20-30 min 1367/1611 given access to EBS3, 1768 access to EBS1. Everyone calmed down and left like this for the night.

<u>Date</u>	<u>Sex</u>	<u>Comments</u>
14 Oct 2003	Female	

<u>Date</u>	<u>Rearing</u>	<u>Comments</u>
14 Oct 2003	Parent	

<u>Date</u>	<u>Parent(s)</u>	<u>local Id</u>	<u>Location</u>	<u>Comments</u>
14 Oct 2003	Sire	WILD	ZIMBABWE	
14 Oct 2003	Dam	WILD	ZIMBABWE	

