

WALRUS ISLAND STATE GAME SANCTUARY

ANNUAL REPORT 1998



Prepared by

**Alaska Department
of
Fish and Game**

TITLE: WALRUS ISLAND GAME SANCTUARY ANNUAL REPORT

REPORT PERIOD: JANUARY 1- AUGUST 31, 1998

PROJECT LOCATION: GMU 17A (Round Island, Northern Bristol Bay)

PROJECT GOALS:

A management plan for the Walrus Island State Game Sanctuary was drafted in October 1992. This plan has not been finalized, and no formal management goals have been developed by the Department. In the interim, management goals for the Sanctuary are to:

- 1) protect walrus, and other wildlife within the Sanctuary;
- 2) provide an opportunity for educational study of walrus; and
- 3) provide an opportunity for the public to view, photograph, and enjoy all wildlife within the Sanctuary.

Two wildlife technicians, Rick Raymond from the Alaska Department of Fish and Game (ADFG), Division of Wildlife Conservation, and Steve Stroka from the United States Fish and Wildlife Service (USFWS), Marine Mammal Management were stationed in the Sanctuary on Round Island from May 6 through August 9, 1998. The duties on Round Island were shared between the two staff members, that included: patrolling the island for access violations; daily walrus (*Odobenus rosmarus*) counts; documenting walrus disturbance; Steller sea lion (*Eumetopias jubatus*) counts; monitoring seabird species; and visitor services.

PROGRESS TOWARDS MEETING GOALS:

Cooperative staffing agreement

The 1998 season marks the sixth year of cooperative staffing on Round Island. A cooperative agreement between ADFG and USFWS for mutual support of the Walrus Island Game Sanctuary program was signed and implemented in the spring of 1993, and has extended through the 1998 field season. ADFG and USFWS each agreed to provide one staff person, and one half of all transportation and the supply costs. ADFG supplied all facility and logistics support during this field season, and provided groceries and fuel while in the field. USFWS supplied the initial groceries at the start of the season. ADFG and

USFWS field staff shared responsibility for sanctuary management, and walrus research activities while on the island. ADFG is primarily responsible for sanctuary management, and the USFWS is primarily responsible for walrus research.

WORK ACCOMPLISHED DURING THE PROJECT REPORT PERIOD:

Facility Construction and Maintenance

Several construction projects were undertaken to upgrade trail conditions, as well as camping and staff facilities. Approximately 120 feet of new boardwalk was constructed and installed along portions of trail that was deemed hazardous, and along portions of trail that were adversely impacted by visitor use. One new tent platform was added to the visitor camping area. This completed platform construction, and all six camp sites now contain one platform. A new staff outhouse was constructed to replace the old that was lost during a wind storm last winter.

A new Icom marine VHF radio was purchased and installed to replace the old Bendex marine VHF that malfunctioned during this season. A new marine VHF whip antennae was installed to replace the existing antennae that was broken during last years hunt monitoring.

Round Island Walrus Hunt

On March 1995, the Alaska Board of Games adopted regulations that enabled ADFG (for the first time in 35 years) to issue access permits allowing the discharge of firearms by local residents for a subsistence harvest of ten walrus on Round Island. In response to this regulatory change, a management agreement and a plan to regulate the hunt was developed and signed by ADFG, USFWS, Qayassiq Walrus Commission (QWC) and the Eskimo Walrus Commission (EWC).

1995: The Round Island walrus hunt was conducted between October 1 and October 31, with a harvest quota of 10 walrus. Ten bull walrus were harvested, and an additional four animals were wounded and not recovered. An observer from the ADFG and USFWS were present during the hunt to monitor walrus numbers, behavior, and to collect biological samples from harvested walrus. A summary of the hunt is outlined by L. J. Van Daele in a 1996 ADFG report.

1996: From October 1 through October 31, a walrus hunt similar to the 1995 hunt was conducted on Round Island. The allowed harvest was ten bulls, with six walrus harvested and one lost. Observers monitored the hunt, and collected biological samples from harvested walrus. The hunt was determined a success, and no problems were identified that would modify hunt activities. However, there was local interest in increasing the harvest quota, and in modifying the hunting period. Representatives of the

QWC petitioned the Board of Game to increase the harvest quota to 20 animals, including those struck and lost, and to change the season dates to September 20 to October 20.

1997: A subsistence walrus hunt was again held on Round Island during 1997. The season and quota changes requested by QWC in 1996 were implemented. Hunt information received by the Department indicates that 19 animals were struck by local hunters, with 15 animals retrieved and four lost. Biological samples taken by agency staff were similar to previous years.

Staff Exchange Program

The Department provides sanctuary staff a leave period during the season if suitable alternate staff and funding is available. Rick Raymond was able to leave the island between June 15, 1998 through June 24, 1998. During this time period, Palmer Assistant Area Biologist Mark Masteller, served as replacement staff. Mark Masteller, assisted in daily walrus counts; maintained facilities and trails; and retrieved ivory from dead beach-cast walrus.

Visitor Program

Camper visitation was low this season compared to past seasons. One reason for the decline may be related to continued uncertainty regarding the sanctuary's future because of previous years funding problems. A significant amount of media attention was devoted to the potential closure of the sanctuary in 1996, which may have influenced visitation this season with potential visitors choosing to travel elsewhere. A total of 110 people visited the island this year (112 in 1997) representing campers, and day visitors.

Two charter services offered transportation to Round Island: Don Winkelman's Round Island Boat Charters on the C/V Puffin, and Terry Johnson's Round Island Charters on the C/V Bel Canto.

The Winkelman charter service caters to visitors that plan to camp and stay on the island for at least five days. This service has been in operation for 18 years. The C/V Puffin made a total of 12 round trips to Round Island. The C/V Puffin's first trip to the island was on June 6, 1998, and its final trip was on August 6, 1998. Winkelman's charter service brought 39 campers to the island. The largest group was five, during three separate permit time periods. The smallest was one, during two permit time periods. Campers came from Alaska, Colorado, Connecticut, Florida, Maryland, New York, Pennsylvania, and Washington. There were eight foreign visitors, two from England, two from France, three from Germany, and one from Italy.

The Johnson charter service caters to day use visitors. This season marked the second year of operation for this service. The C/V Bel Canto made 13 day trips to the island. The first trip was on May 11, 1998 and the last trip was on July 29, 1998. A total of 63 day visitors visited the island. The largest group was

eight, the smallest group two. Majority of the clientele were Alaskans from Anchorage and Dillingham. There were eight foreign day visitors, four from Austria, two from England, and two from Germany. Additionally, only two fishing vessels visited the island at the close of the Togiak Herring season, both on May 11, 1998. During the 1997 season, nine fishing vessels visited the island. Only a third of the fleet fished for herring during the Togiak herring fisheries. The decrease in fishing vessel visitation could be attributed to less fishing effort during the herring as a result of lower market prices.

Traverse Trail Overlook

Foot access to an overlook area with a view of West Main Beach involves traveling along a steep trail immediately adjacent to steep cliffs of 150-200 meters above East Main Beach. The Traverse trail was open to visitors only in the company with Round Island staff. The trail is extremely steep and narrow, and closure of the Traverse trail became necessary if unsafe trail conditions existed due to adverse weather.

Weather

The weather pattern was more traditional for Bristol Bay. The month of May was extremely wet and windy, and remnants of snow existed on the island until the first week of July. The warmth of the summer sun was not felt until end of June. The average temperature was approximately 55-60 degrees Fahrenheit.

Violations

There were two vessels suspected to be within the 3-mile restricted access zone. An attempt was made to contact both vessels, and of the vessels contacted one returned our radio hail, but it claimed to be outside the 3-mile zone. It is difficult to accurately determine distance from shore to vessel visually, therefore, the vessels claims are accepted because of their on board electronics. If the Department determines that the 3-mile access zone is important enough to enforce, then electronic instruments such as range finders or radar should be installed on the island.

On May 14, three fishing vessels were observed by sanctuary staff approximately 100 meters offshore motoring in single file on the east side of the island. Attempts were made to contact the vessels on channel 16 and 7A on the marine VHF. None of the three vessels responded to our hail. All pertinent information regarding this incident was passed on to the Dillingham area biologist. No further follow-up communications were received concerning this incident. No wildlife disturbance was observed from these vessels activities.

There were two air space violations. Both airplanes were a turbo-props that flew over the island at an altitude of approximately 1500-2000 feet. Both airplanes flew over the island quickly, therefore, documenting identifying markings was not possible.

Cooperative Wildlife Research

Walrus behavioral study information was not gathered during 1998. Research emphasis was directed to other species, however, documentation of walrus disturbance was opportunistically recorded by staff throughout the season.

Walrus Radio Tagging

From June 6 through June 13, 1998, two biologists and one technician from National Biological Survey (NBS), and sanctuary staff conducted a walrus radio tagging operation. A total of seven walrus were immobilized on Main Beach, and each animal was fitted with two radio transmitters. One radio was a satellite transmitter, and the second was a VHF transmitter. Island staff monitored radio-tagged walrus daily by receiving VHF frequencies with a telonics receiver. Two walrus were lost during the tagging operation.

Walrus Counts

Four established methods of counting walrus were used on Round Island beaches: 1) daily east side land based counts that counted hauled out walrus, and walrus 10 meters from shore. Counts started at 1400 each day; 2) interval counts were conducted every third day in which walrus were counted three times per-day along east side beaches at 0900, 1400, and 1900; 3) correlation counts were conducted every third day to include West Main Beach only; 4) opportunistic circumnavigation of the island using an inflatable skiff allowing total island counts. Count methods were instituted by USFWS, Marine Mammal Management (MMM), to quantify rates of change on haulout beaches, and identify tidal periodicity in walrus haulout use.

Daily Walrus Counts

The beaches with the highest numbers of hauled out walrus are located on the north and east sides of the island. These beaches are accessible to staff and visitors from established trails. The counts included all walrus hauled out on beaches, and any walrus in the water within 10 meters of the shore line. The daily total count was derived by adding the number of walrus hauled out on land with the number of walrus in the water. For the interval counts, the three counts were averaged to get one daily count. During this

season, 94 daily walrus surveys were completed (103 in 1997) between May 7, 1998 through August 8, 1998. The lowest number of walrus counted was on June 8, 1998 with a daily count of 14. The highest number of walrus counted was on June 2, 1998 with a daily count of 1746. Overall, it appeared that walrus numbers were lower compared to past seasons. This needs to be verified by examining past data, and records.

Walrus Carcasses

There were at least 12 walrus carcasses sighted on land or floating in near-shore waters. Staff salvaged ivory from ten carcasses, and collected loose beach cast ivory.

Steller Sea Lions

Steller sea lions were counted opportunistically in the water, and along East Cape/Third Beach. A peak count of 499 animals were observed on May 19, 1998. By May 26, numbers in the low 100's were observed. Numbers between 20's and 50's were consistently observed from late May through early August. On two occasions red flipper tags were sighted on two different animals. On June 2, 1998 one sea lion was observed with some type of metal ring around its neck. It's possible that this same animal was observed during the 1997 season (see 1997 Round Island annual report). Compared to other sea lions, this animal appeared emaciated.

Other Wildlife:

Red Fox

Staff identified and observed five individual adult red fox (*Vulpes vulpes*), and two active dens, each with two kits. All adult fox exhibited little fear around staff and visitors. During June through early August, fox sightings were common, and kits were frequently seen around their dens. The two known den sites were located at East Cape, and behind the staff cabin. Periodically, fox were seen at various locations on the island. At least one adult male's home range is along Main Beach, and a second male occupies areas on top of the island at 1410 foot elevation.

Sea Birds

Three seabird species, pelagic cormorant (*Phalacrocorax pelagic*), black legged kittiwake (*Rissa tridactyla*), and common murre (*Uria aalge*) were observed and monitored for productivity throughout the summer. Last year, seabird species in northern Bristol Bay experienced declines. Group plots were established on cliffs at Main Beach for kittiwakes, and murre. Cormorants were observed on Main Beach, and First Beach. Nests were observed within each plot for egg production, hatching success, and fledgling survival. Pelagic cormorants were incubating eggs by the first week in June, and the first chicks were

seen on June 19. Fledglings were observed by July 23. No black legged kittiwakes laid eggs on the east side of the island that we observed, and it is suspected that there was zero productivity for this species. Three eggs were observed on the west side that produced chicks, however, the chicks did not survive. A common murre egg was first observed on June 12. Sightings of murre eggs were infrequent, and productivity for this species was low. Chicks were never observed.

In the summer of 1997, there were reports of a widespread seabird die-off in the Bristol Bay area, and in the Bering Sea in general. Round island staff observed and recovered several dead seabirds. At the time the cause of this large die-off was not known, however, the extreme warm air and water temperatures were suspect. A preliminary report summarizing seabird mortality, authorized by USFWS staff, is attached as Appendix 1 in the 1997 annual report.

Sea Bird Egg Predation

Predation of murre eggs by ravens (*Corvus corax*) and red fox were observed on several occasions from mid-June through July. Seabirds in the mouth of fox's were often seen.

Other Marine Mammals

In early to mid May large numbers of gray whales (*Eschrichtius robustus*) were observed traveling north past Round Island.

Other wildlife

On June 28, a species was observed that looked and behaved similar to that of a hummingbird nectar feeding on lousewort flowers. On closer observation it was noticed that it had antennae. Later it was identified as a hummingbird hawk moth. This species has not been previously recorded on the island, and may not be recorded in Alaska. This species is indigenous to Europe, and at least eight known sightings were documented on Round Island.

There were two incidents of ticks biting campers and staff. One tick was recovered and saved for further identification. The tick (if that is what it was) was given to ADFG veterinarian Bill Taylor, on August 14, 1998.

Facilities

The following is a list of new equipment obtained during the 1998 field season:

Marine VHF whip antennae

Icom Marine VHF radio

5 gallon boat fuel tank and line

long handle spade shovel

A further inventory of facilities and equipment is listed in Appendix 1.

Recommendations

- 1) Secure Capital Improvement Project (CIP) funding for new cabin. Currently, the staff cabin is functional, however, there are portions of the cabin that is showing wear in the form of water leaks and dry rot. A complete survey of the cabin should be undertaken to identify construction problems. The cabin is at least 20 years old.
- 2) Trail system. Portions of the trail is unsafe because it is wet, muddy and because of rock and hummock protrusions. Additional board walk should be constructed and installed at these locations. People walking on trails avoid wet areas, as a result they walk on the edges causing expansion of the trail width. The addition of boardwalk would decrease trail impacts, hazards, and provide an aesthetic structure.
- 3) Modify or change cable method of securing skiff in Boat Cove. This continues to be a serious safety concern. A new method for securing the skiff must be addressed before an accident occurs. The risk factor is high with the existing system.
- 4) Electronic range finder, radar or loran to gauge vessel distance from island.
- 5) Develop a day use visitor access policy that includes vessel mooring transport to and from vessel.
- 6) Continue, and promote staff exchange program.

Equipment needs

The following is an equipment list that should be made available on Round Island:

- 1) New skiff to replace old and worn out Achilles inflatable.
- 2) New outboard motor for skiff (at least 25 hp).
- 3) Lap top computer.
- 4) New satellite phone system. The current telephone system is not dependable. During mid-season the phone malfunctioned, and was not repaired in time to be used the rest of the season. This system only operates during certain atmospheric conditions, and reception is poor. A properly functioning telephone would enhance communications with island staff, and provide an avenue of communication

during emergencies. A satellite phone was tested on Round Island this season, and it worked well. An additional benefit of a satellite phone system would allow email capabilities.

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APPENDIX 1998 DAILY WALRUS COUNTS

W.I.S.G.S.

WEATHER DATA FOR AREA COMPOSITION COUNTS

DAY	DATE	WALRUS	DAY	DATE	WALRUS
1	5-7	1341	49	6-24	1376
2	5-8	107	50	6-25	1620
3	5-9	258	51	6-26	1365
4	5-10	105	52	6-27	1470
5	5-11	368	53	6-28	1361
6	5-12	688	54	6-29	652
7	5-13	703	55	6-30	703
8	5-14	1438	56	7-1	334
9	5-15	1074	57	7-2	130
10	5-16	370	58	7-3	283
11	5-17	143	59	7-4	460
12	5-18	494	60	7-5	618
13	5-19	721	61	7-6	689
14	5-20	1009	62	7-7	1046
15	5-21	1610	63	7-8	1349
16	5-22	1178	64	7-9	915
17	5-23	569	65	7-10	874
18	5-24	314	66	7-11	366
19	5-25	196	67	7-12	198
20	5-26	544	68	7-13	280
21	5-27	151	69	7-14	343
22	5-28	585	70	7-15	395
23	5-29	317	71	7-16	498
24	5-30	508	72	7-17	848
25	5-31	904	73	7-18	499
26	6-1	1009	74	7-19	543
27	6-2	1746	75	7-20	233
28	6-3	177	76	7-21	79
29	6-4	381	77	7-22	423
30	6-5	90	78	7-23	439
31	6-6	411	79	7-24	348
32	6-7	144	80	7-25	547
33	6-8	14	81	7-26	513
34	6-9	168	82	7-27	1030
35	6-10	254	83	7-28	1289
36	6-11	368	84	7-29	966
37	6-12	631	85	7-30	320
38	6-13	1497	86	7-31	157
39	6-14	1343	87	8-1	88
40	6-15	1108	88	8-2	43
41	6-16	641	89	8-3	176
42	6-17	374	90	8-4	286
43	6-18	99	91	8-5	487
44	6-19	222	92	8-6	592
45	6-20	304	93	8-7	440
46	6-21	573	94	8-8	433
47	6-22	817	95	8-9	
48	6-23	1021	96	8-10	

Round Island Inventory

The following list contains majority of items found on Round Island that is essential for staff operation. Many items are old and outdated. Items that need replacement are designated.

Radio Room:

- 1 Icom Single Side Band Radio - ICM710 (New 1997)
- 1 Icom marine VHF- ICM59 (New 1998) serial number: 12846
- 1 Icom Marine VHF hand held - ICM11 serial number: 10555
- 3 12 volt automobile batteries

Work Tools:

- 1 8.5 x 32 inch gray tool box
- contents
 - 1 vise grip, size 10
 - 1 100 foot tape measure
 - 2 small needle nose pliers
 - 3 pliers
 - 1 dikes
 - 2 wire brush
 - 11 files - various sizes
 - 1 rasp
 - 1 chalk line
 - misc. drill bits
 - 1 utility knife
 - 1 33 inch tape measure

Tools in cabin

- complete open wrench set
- 4 hand saws
- 2 carpenter squares
- 4 philips head screw drivers
- 4 straight screwdrivers
- 3 crescent wrench
- 1 hack saw
- 3 come-a-longs (2 functional)
- 3 screw clamps
- 2 2lb mallets
- 1 rubber mallet
- 1 mider saw
- 1 speed square
- 1 flat bar
- 1 small crow bar
- 1 electrical wire kit (missing parts)

Power Tools

- 1 Black and Decker jig saw TS400 - serial number 9426-7 (new)
- 1 50 AMP battery charger (functional)
- 1 Makita cordless drill (complete set)
- 1 Worm drive Skil saw HD77M (new 1997); other numbers H76324 and HE770752
- 1 Homelite generator (new 1996)
- 2 flashlights

- 1 Wind generator (new 1997)
- 1 solar panel (functional but obsolete)

Shed

- 1 36x46x64 inch structure (functional)
- contents
 - 2 pick ax
 - 1 ammo can with 8d galvanized nails (need more)
 - 1 ammo can with 10d galvanized nails (need more)
 - 2 1qt. 5w30w motor oil
 - misc. rods and poles
 - misc. gardening
 - 1 paint roller
 - 1 paint roller tray
 - 4 extension cords
 - 1 half roll of felt paper
 - 2 5 gal. fuel jugs
 - 2 1.5 gal. fuel jugs
 - 1 long handle spade shovel

Fire Pit

- 1 30 gal. black trash container
- 1 55 gal. petroleum drum being used as furnace (new 1998, life of barrels 3-4 seasons)
- 1 rusted old 55 gal. barrel
- 1 galvanized tub

Boat

- 1 14 foot Achilles inflatable skiff: SK140; model number SK-140BK; hull ID number ACH00052J990- (poor condition but functional, replace)
- 1 5 gal. metal fuel tank (new 1998)
- 1 Evinrude 15 hp outboard motor (functional but old, replace)
- 1 Evenrude 4 hp outboard motor (old, replace)
- 1 plastic water pump
- 1 air foot pump

Boathouse

- 4x8x4 feet-Needs to be replaced within the next 2 seasons.
- 2 coolers with misc. cable clamps and accessories
- 1 5-6 foot garden hose
- 1 spool of .5 inch rope (unopened)
- 3 come-a -longs
- 1 blue tarp
- 1 green tarp
- 1 spool of .5 inch steel cable
- 1 container with misc. rope
- 2 short handle spade shovel
- 6 type III life vests

Boat System Cable

- Whole system should be replaced
- Cable new
- 2 blocks (old replace)
- replace all line

metal pulleys old and rusted (replace)
all steel fasteners should be replaced (e.g. nuts, bolts etc., replace all metal parts)

Dwellings

12x20x8 foot weather port tent
Showing wear- especially around door, currently functional. Fix or replace aluminum door.

Cabin

12x20 wood frame structure
2 foam mattress (old functional, should replace)
1 table
1 oil stove Serial number A9020917 (functional)
4 metal folding chairs
4 plastic deck chairs

Kitchen

2 10 inch cast iron skillets
1 frying pan wok
2 10x14 inch cookie pan
1 8x12 inch cake pan
1 cast iron Dutch oven
1 pizza pan
3 muffin pans
1 tea pot
1 aluminum coffee pot
1 Teflon coated frying pan
2 sauce pans
assorted mixing bowls
assorted mixing bowls
8 dinner plates
8 coffee mugs
assorted utensils
assorted cooking utensils
1 colander
1 trash bucket
2 aluminum dish washing tubs
1 stainless steel dish washing tub
3 fire extinguisher
1 broom
1 dust pan
1 stove-oven
4 40lb propane tanks (replace)
4 propane lamps
1 kerosene heater: model GRW8A (needs new wick)
1 Norcold propane refrigerator
1 patio master gas grill (old, functional)

First Aid Box: 8/3/98

- 1 Zimmer Knee Immobilizer
- 1 Foley Catheterization Tray w/5cc Foley catheter
- 2 Ace Instant Cold Compress
- 1 Rubber Hot water bottle
- 5 Dixie instant cold compress
- 2 Alcohol prep pads (boxes of 200)
- 1 Cold Comfort instant cold pack
- 3 Sterile Lamino padding (8"x7.5")
- 4 Topper 4x4 sponges – sterile
- 5 Johnsons sterile eye pads
- 3 Microfoam 2" tape rolls
- 7 Cloth .5" tape rolls
- 3 Cloth 1" tape rolls
- 1 Kling soft gauze 4"x2 yards
- 1 Self adherent bandage 3"x5 yards
- 7 Triangular bandages
- 4 Used Ace bandages
- 2 Johnson & Johnson extra fast plaster bandages
- 1 Parke-Davis redicast
- 2 (O₂) Mask with tubing
- 1 Seal Easy resuscitation kit
- 1 Ambu resuscitation bag & mask
- 7 Certi-Heat instant heat compress
- 1 Isopropyl alcohol (bottle, ¾ full)

First Aid Materials in Desk Drawer:

- 1 Lamino padding (8"x7.5")
- 1 Clothing shears
- 40 Iodophor PVP antiseptic pads
- 25 Carbon steel surgical blades
- 2 Cold finger Kold Wraps
- 20 Cotton balls
- 1 Latex rubber glove (single)
- MEDS:
- Cotrim DS 800/160 Tablets – exp 3/99
- Cipro 500mg tablets – exp 1/99
- Cephalexin 500mb Capsuls – exp 12/97
- Hydrocodone/ A pap 5/500mg tablets – exp 3/97
- Epinephrine w/syringe – exp 8/94
- Benadryl (Diphenhydramine hydrochloride) 25mg capsules – exp??
- Orajel w/tube – exp 12/97
- 1 Triple antibiotic ointment tube
- 1 Thermometer
- Clover oil ½ fluid oz
- 1 Hydrocortison tube
- Q-Tips ½ box (170 count)
- 2 Self adhering Ace bandage
- 2 Gauze rolls
- 3 Sore throat lozenges packages
- 3 Heat compresses
- First Aid Rid cream insect repellent

Cont.

Cortizon 10 (1/2 tube)
3 Tongue depressors
1 CPR micro-shield
Tums (1 bottle & 1 ziplock baggie full)
1 Cold wrap burn dressing (3"x36")
1 Dixie cold compress
1 Epi-Pen injector – exp 12/98
Many assorted Band-aids
1 Baby powder bottle
1 Boric acid 5% ophthalmic ointment tube (old)
2 Condoms
1 Arniflora gel tube
1 Personal mirror
15 Sterile gauze 4"x4"
1 Stretch gauze roll
1 Cloth tape 1"
Betadin solution (1/4 of 8oz bottle)

First Aid Kit:

Round Island Medical Forms
1 Triangular bandage
3 Ace bandages
2 Self adherent bandage (cling wrap)
1 Sam splint
BP cuff
Stethoscope & spare diaphragms – needs new tube
Watch – needs new battery - #CR2016
Betadine bottle 8oz
2 Cold wrap 4"x4" sterile pad for burns
1 Water Jel burn dressing
1 Cold Wrap 3"x36" sterile burn dressing
1 Ointment 1oz tube
20 Iodopror PVP (povidone Iodine) antiseptic pads
2 CPR microshields
1 Seal Easy (blob) CPR mask
2 Latex glove pairs
2 Microfoam tape rolls
1 Cloth tape 1" roll
1 Water proof tape 1" roll
1 Insta-Glucose tube
1 Anaphalaxis treatment kit – exp 11/97
1 Penlight
First Aid Book
Pocket Reference Manual

Food Inventory: 8/3/98

1 Potato Pearls – instant – 56 oz box
1 Betty Crocker Choc. cake mix
1 Betty Crocker White cake mix
2 Betty Crocker Brownie mix
1 Scalloped Potatoes box
1 Au Gratin Potatoes box
1 Suddenly Salad box
1 Uncle Bens Long grain & wild rice 36oz box
1 Premium saltine crackers 2lb box
1 Rice-a-Roni box
1 Stove Top stuffing mix 24oz box
1 Stove Top stuffing mix 12oz box
1 Minute Rice 4lb 6oz box
1 Grape-Nut cereal box
1 Basic 4 cereal box
1 Wonder long grained rice 70oz
1 Potato Buds 28oz box
1 Beach Cliff Sardines can
1 Yellow rice dinner 16oz
1 Angle hair pasta 20oz bag
1 Spaghetti 12oz bag
1 Kraft Macaroni & Cheese
1 Deluxe trail mix 4lbs
4 Lipton Onion Soup mix
5 Lipton Chicken Soup mix
2 Lipton Vegetable Soup mix
3 Lipton Cream of Chicken Soup mix
3 Lipton Chicken Noodle Soup mix
4 Lipton Pea Soup mix
1 Knorr Spring Vegetable Soup mix
1 Knorr Spinach Soup mix
1 Plastic container rice 2quarts
1 Plastic container rice 5quarts
2 Italian salad dressing bottles
1 Mayonnaise 11.75oz
1 Aunt Patsy Pea soup mix
1 Aunt Patsy Black Bean chili soup mix
Lots of instant oatmeal (2 boxes & a gal ziplock bag)
5 Packs Fleischmanns yeast
7 Assorted gravy and sauce packets
Taco seasoning
Salsa mix
Enchilada sauce mix
7 Assorted teapot soups
2 Corn bread mixes
2 Muffin mixes
2 Spicy peanut salad dressing mix
5 Good Seasons Italian salad dressing mix
1 Good Seasons Caesar salad dressing mix
1 Good Seasons Honey Mustard salad dressing mix
1 Tomato Basil Linguine noodles
1 Pesto Linguine noodles
1 Shitake mushrooms (1oz)

Cont.

Assorted granola bars
2 Uncle Bens Hearty soups
Campbells Chunky soup
2 Serdez Salsa Cesera/Verde
El Paso Enchilada Sauce
4 Fancy crab meat cans
4 Tiny shrimp cans
1 Chopped clams can
11 Green beans
4 Large pitted olives
3 Sweet peas
2 Sliced carrots
4 Tomato sauce cans 15oz
4 Tomato paste cans 12oz
7 Baked Beans 15oz cans
8 Whole kernel corn cans
8 Green bean cans
10 Healthy Chowder soup 15oz cans
1 Slice Bacon can 16oz
2 Artichoke hearts jars 6.5oz
1 Tang 4lb can
1 Sun Maid raisins 4.6 bag
3 Refried beans 30oz cans
1 Refried beans 14oz cans
1 Tomatoes 14oz can
1 Okra 14oz can
1 Corn 14oz can
1 Brown sugar 15lb
1 Pink salmon can
4 White chicken cans
2 Tuna cans
2 Pineapple chunks 20oz cans
4 Green Giant Niblets Corn 11oz cans
1 Green Giant Cream Style corn
2 Whole Kernel Corn 16oz cans
2 Spinach 16oz cans
10 Bread mixes variety boxes
Peanut butter various partial jars
1 Jiff Peanut butter 40oz unopened
1 Garden of Eatin' noodles 5lbs
1 Pretzels 32oz bag
1 Pace Picante Con Queso jar
1 Black Bean Dip jar
1 Lentil 16oz bag
2 Honey Bunches of Oats cereal
1 Wheat Thins box
1 Triscuit box
1 Healthy Granola Bars box
2 Mediterranean spaghetti Sauce jars
25 Snickers Candy bars
15 Milkman instant milk packets
1 Apple Oat Bran muffin mix
2 Riscotto rice entrees
1 Red Bean seasoning mix
1 Luzianne Creole dinner kit

Cont.

1 Grandma's Molasses 24oz jar
1 Wasa crisp bread
1 Canister of salt
1 Parmesan cheese – shredded
1 Chopped dried onions
3 Hamburger Helpers
12 Jello instant puddings assorted
1 Honey 20oz jar
2 Yellow corn mash box
1 Vegetable oil 64oz bottle
1 Crisco shortening 40oz
1 Krusteaz cookie mix 5lb box
1 Raspberry jam/jelly
1 Strawberry jam/jelly
1 Apricot jam/jelly
2 Raisin 4lb bags
Sugar 2lbs]
Flour 2lbs
Hot Cocos, lots
4 Herb tea boxes
25 Lipton tea bags
1 Hills Bros coffee 4lbs
Ramen, lots

Items in Blue Tote:

1 Maple syrup bottle
3 Mustards, various
1 Vermicelli noodle bag
2 Ketchup bottles
2 Jiff Peanut butter jars

Items in Tub #1:

Dried Pears
Cous Cous
Masa Hering

Items in Tub #2:

7lbs brown sugar
2lbs Powder sugar
5lbs Wheat flour