

See report No. 752 A

Original: Fish Division
cc: W. F. Carbine

INSTITUTE FOR FISHERIES RESEARCH
DIVISION OF FISHERIES
MICHIGAN DEPARTMENT OF CONSERVATION
COOPERATING WITH THE
UNIVERSITY OF MICHIGAN

ALBERT S. HAZZARD, PH.D.
DIRECTOR

February 27, 1942

ADDRESS
UNIVERSITY MUSEUMS ANNEX
ANN ARBOR, MICHIGAN

REPORT NO. 752

SUMMARY OF MOTOR VEHICLE OPERATIONS

FOR THE CALENDAR YEAR 1941

by

W. F. Carbine

The following tables have been compiled from the monthly motor vehicle reports on file at the Institute.

All of the tables are self explanatory. All of the state-owned vehicles used by the Institute are listed in Table 1. The monthly cost of operations for each unit is presented in Tables 2-13, inclusive. The total monthly cost of operations for all vehicles is presented in Table 14. The total cost of operations for each unit during 1941 is presented in Table 15.

This report was prepared in order to furnish comparable figures on the cost of operation of various types of cars, the cost of truck operation each month, etc. It should aid in the preparation of monthly requisitions and in budget estimates. These figures should also be helpful in deciding on the type of transportation to secure in the future when trucks are again available for purchase.

Table 1

Vehicles used during 1941 by the
Institute for Fisheries Research

<u>License number</u>		
24	1937	Chevrolet sedan delivery. Traded in on November 24, 1941 - 72,723 miles.
24	1942	Chevrolet sedan delivery.
28	1936	Ford pick up. Traded in during April, 1941 - 86,266 miles.
28	1941	Chevrolet sedan delivery.
33	1938	Chevrolet $\frac{1}{2}$ -ton panel truck.
34	1939	$1\frac{1}{2}$ -ton Ford panel truck.
35	1939	$1\frac{1}{2}$ -ton Ford panel truck.
36	1940	1-ton Chevrolet pick up truck. Loaned to Drayton Plains in May.
16	1939(?)	$1\frac{1}{2}$ -ton Ford stake truck. Loaned to Hunt Creek in May in exchange for 1-ton Chevrolet pick up.
44	1941	Chevrolet suburban carryall.
45	1941	Chevrolet coupe.
47	1941	Chevrolet $\frac{3}{4}$ -ton panel truck purchased in May, 1941.

Table 2
License number--24. (1937 Chevrolet sedan delivery truck)

Month	Gasoline used (gallons)	Cost gasoline	Oil used (quarts)	Cost oil	Cost of tires and tubes	Cost--repairs, grease, and accessories	Mileage during month	Total cost during month
January	51.5	\$ 6.83	5	\$1.12	...	\$ 5.95	825	\$ 13.90
February	81.0	10.91	8	0.96	...	6.25	1,292	18.12
March	79.0	11.77	6	0.74	...	4.00	1,552	16.51
April	90.9	13.70	17	3.99	...	7.65	1,519	25.34
May	95.2	13.04	12	2.37	...	11.35	1,897	26.76
June	90.1	12.35	12	2.39	...	3.40	2,000	18.14
July	78.7	11.16	11	1.59	\$1.75	1.00	1,511	15.50
August	41.3	5.68	4	0.44	...	2.50	797	8.62
September	6.7	0.95	...	...	...	...	186	0.95
Total	614.4	\$ 86.39	75	13.60	\$1.75	\$ 42.10	11,579	\$143.84

Table 3
License number--24. (1942 Chevrolet sedan delivery truck)

December	5.0	\$ 0.93	150	\$ 0.93
----------	-----	---------	-----	-----	-----	-----	-----	---------

Table 4
License number--28. (1936 Ford pick up truck)

January	112.0	\$ 19.26	8	\$1.20	...	...	1,475	\$ 20.46
February	134.0	24.12	7	1.05	...	\$ 4.45	1,672	29.62
March	133.0	23.49	8	1.20	...	3.85	1,818	28.54
Total	379.0	66.87	23	\$3.45	...	8.30	4,965	\$ 78.62

Table 5
License number--28. (1941 Chevrolet sedan delivery truck)

April	35.0	\$ 4.55	1	\$0.25	...	...	655	\$ 4.80
May	149.8	22.81	7	1.72	...	\$ 1.55	2,630	26.08
June	211.7	32.40	13	3.41	...	8.15	4,055	43.96
July	206.7	35.14	6	1.65	...	2.50	3,502	39.29
August	125.7	22.74	7	1.05	...	0.75	2,135	24.54
September	151.0	25.71	6	1.65	...	44.85	2,647	72.21
October	187.5	33.21	2	0.30	...	16.15	3,317	49.66
November	74.5	11.19	5	1.50	...	39.46	1,050	52.15
December	15.5	2.17	...	...	...	...	143	2.17
Total	1,157.4	189.92	47	\$11.53	...	\$113.41	20,134	\$314.86

Table 6
License number--33. ($\frac{3}{4}$ -ton Chevrolet panel truck)

Month	Gasoline used (gallons)	Cost gasoline	Oil used (quarts)	Cost oil	Cost of tires and tubes	Cost--repairs, grease, and accessories	Mileage during month	Total cost during month
January	35.3	\$ 5.08	6	\$1.61	...	\$ 2.00	352	\$ 8.69
February	...	...	...	...	...	...	130	...
March	13.7	1.79	...	...	...	...	155	1.79
April	49.7	8.49	5	1.50	...	11.30	674	21.29
May	87.5	16.24	1	0.26	...	1.75	1,160	18.25
June	77.5	14.52	1	0.26	...	2.50	1,266	17.28
July	46.0	8.51	1	0.25	...	1.45	521	10.21
August	43.0	8.39	1	0.25	...	0.75	561	9.39
September	113.8	17.58	1	0.10	...	...	1,534	17.68
October	36.2	6.58	...	...	...	...	609	6.58
November	...	...	5	1.50	...	10.36	...	11.86
December	...	...	...	...	...	2.00	...	2.00
Total	502.7	\$ 87.18	21	\$5.73	...	\$32.11	6,962	\$125.02

Table 7
License number--34. ($1\frac{1}{2}$ -ton Ford panel truck)

January	43.5	\$ 6.57	...	...	...	...	302	\$ 6.57
February	36.9	5.78	...	...	...	...	346	5.78
March	29.5	4.30	...	...	...	...	285	4.30
April	18.5	2.41	2	\$0.22	...	...	234	2.63
May	50.3	8.54	10	2.85	...	\$ 7.00	464	18.39
June	91.2	13.18	1	0.24	...	...	778	13.42
July	120.4	22.04	3	0.62	...	3.91	1,188	26.57
August	15.2	2.80	...	...	...	...	178	2.80
September	71.0	11.84	1	0.10	...	...	710	11.94
October	22.0	3.96	1	0.15	...	...	255	4.11
November	...	...	5	1.50	...	10.60	...	12.10
December	...	...	...	...	...	12.60	...	12.60
Total	498.5	\$ 81.42	23	\$5.68	...	\$34.11	4,740	\$121.21

Table 8
License number--35. ($1\frac{1}{2}$ -ton Ford panel truck)

January	85.0	\$ 14.40	1	\$0.15	...	\$ 1.25	714	\$ 15.80
February	75.5	12.80	6	1.05	...	1.00	687	14.85
March	173.0	30.13	7	1.05	...	...	1,510	31.18
April	12.0	1.56	...	...	...	...	157	1.56
May	25.5	3.31	...	...	...	...	292	3.31
June	34.5	6.35	6	1.61	...	13.00	504	20.96
July	94.1	17.06	2	0.52	...	...	1,042	17.58
August	73.5	13.59	2	0.40	...	0.30	866	14.29
September	Loaned to Lydell Hatchery			...	...	...	...	...
October	" " "			...	...	...	...	...
November	Loaned to Lydell Hatchery		5	1.50	...	8.10	...	9.60
December	14.5	2.03	...	...	...	11.30	110	13.33
Total	587.6	\$101.23	29	\$6.28	...	\$34.95	5,882	\$142.46

Table 9
License number--36. (1-ton Chevrolet pick up truck)

Month	Gasoline used (gallons)	Cost gasoline	Oil used (quarts)	Cost oil	Cost of tires and tubes	Cost--repairs, grease, and accessories	Mileage during month	Total cost during month
January	17.4	\$ 3.16	5	\$ 1.35	...	\$ 0.90	262	\$ 5.41
February	8.4	1.54	...	...	...	...	226	1.54
March	16.0	2.96	...	...	...	...	97	2.96
April	10.0	1.90	...	...	...	...	151	1.90
Total	51.8	\$ 9.56	5	\$ 1.35	...	\$ 0.90	736	\$ 11.81

Table 10
License number--16. (1½-ton Ford stake truck)

June	129.0	\$ 23.22	10	\$ 1.50	...	\$ 7.50	765	\$ 32.22
July	25.0	4.50	1	0.15	...	...	244	4.65
August	25.0	4.50	2	0.30	...	...	196	4.80
September	61.0	12.98	6	0.90	...	...	326	13.88
October	37.5	6.75	1	0.15	...	5.95	505	12.85
November	115.0	22.70	4	0.60	...	...	374	23.30
December	10.0	1.95	1	0.25	...	1.00	356	3.20
Total	402.5	\$ 76.60	25	\$ 3.85	...	\$11.45	2,766	\$ 94.90

Table 11
License number--44. (1941 Chevrolet suburban carryall)

January	14.0	\$ 2.10	1	\$ 0.15	...	\$ 2.20	288	\$ 4.45
February	37.2	6.02	5	1.75	...	1.70	594	9.47
March	42.9	6.35	...	...	...	1.60	676	7.95
April	106.0	18.04	8	1.91	...	16.00	1,985	35.95
May	122.0	20.82	3	0.60	...	5.25	2,159	26.67
June	42.0	7.06	5	1.50	...	10.25	691	18.81
July	47.8	6.53	1	0.11	...	5.40	1,053	12.04
August	49.9	8.15	1	0.15	...	1.00	893	9.30
September	191.9	33.01	12	3.27	...	3.25	3,269	39.53
October	134.5	22.29	1	0.15	...	4.50	2,238	26.94
November	62.2	10.96	5	1.50	...	15.86	1,103	28.32
December	112.6	19.91	...	...	...	...	1,938	19.91
Total	963.0	\$161.24	42	\$11.09	...	\$67.01	16,887	\$239.34

Table 12
License number--45. (1941 Chevrolet coupe)

Month	Gasoline used (gallons)	Cost gasoline	Oil used (quarts)	Cost oil	Cost of tires and tubes	Cost--repairs, grease, and accessories	Mileage during month	Total cost during month
January	84.5	\$ 13.50	10	\$ 2.75	...	\$ 2.00	1,614	\$ 18.25
February	120.9	19.08	5	1.30	...	4.75	2,053	25.13
March	136.5	21.34	11	3.00	...	4.00	2,373	28.34
April	213.1	37.80	11	2.90	...	7.50	4,266	48.20
May	96.6	14.60	6	1.50	...	3.00	1,725	19.10
June	52.2	7.77	...	...	...	1.00	1,023	8.77
July	114.5	18.35	2	0.37	...	2.00	2,313	20.72
August	168.7	29.99	5	1.50	\$ 2.55	3.50	3,016	37.54
September	108.9	20.49	2	0.30	...	9.80	2,058	30.59
October	104.6	16.62	1	0.15	...	...	1,693	16.77
November	64.0	10.00	6	1.63	...	11.96	1,384	23.59
December	33.0	5.40	2	0.26	7.50	3.75	644	16.91
Total	1,297.5	\$214.94	61	\$15.66	\$10.05	\$53.26	24,162	\$293.91

Table 13
License number--47. (3/4-ton Chevrolet panel truck)

May	...	...	...	...	...	...	20	...
June	69.5	\$ 12.54	6	\$ 1.70	...	...	1,129	\$ 14.24
July	64.0	11.74	5	1.35	...	...	1,339	13.09
August	110.0	19.73	5	1.50	...	\$ 1.00	1,656	22.23
September	36.7	5.47	...	...	...	...	517	5.47
October	98.0	15.42	6	1.65	...	1.75	1,766	18.82
November	37.5	5.26	5	1.50	...	7.46	382	14.22
December	...	...	...	...	...	...	27	...
Total	415.7	\$ 70.16	27	\$ 7.70	...	\$10.21	6,836	\$ 88.07

Table 11
Monthly cost of operations for all vehicles during 1941

Month	Gasoline used (gallons)	Cost gasoline	Oil used (quarts)	Cost oil	Cost of tires and tubes	Cost--repairs, grease, and accessories	Mileage during month	Total cost per month	Percentage of total cost
January	443.15	\$ 70.90	36	\$ 8.33	...	\$ 14.30	5,832	\$ 93.53	5.65
February	493.95	80.25	31	6.11	...	18.15	7,000	104.51	6.32
March	623.65	102.13	32	5.99	...	13.45	8,466	121.57	7.35
April	535.20	88.45	44	10.77	...	42.45	9,641	141.67	8.56
May	626.90	99.36	39	9.30	...	29.90	10,347	138.56	8.37
June	797.70	129.39	54	12.61	...	45.80	12,191	187.80	11.35
July	797.20	135.03	32	6.61	\$ 1.75	16.26	12,693	159.65	9.65
August	652.35	115.57	27	5.59	2.55	9.80	10,298	133.51	8.07
September	741.10	128.03	28	6.32	...	57.90	10,567	192.25	11.62
October	620.30	104.83	12	2.55	...	28.35	11,063	135.73	8.20
November	353.20	60.11	40	11.23	...	103.80	4,349	175.14	10.52
December	190.60	32.39	3	0.51	7.50	30.65	3,352	71.05	4.29
Total	6,875.30	\$1,146.44	378	\$85.92	\$11.80	\$410.81	105,799	\$7,654.97	99.95

transcript to Hazard's letter. 3-6-42

Table 15
Summary of individual motor vehicle operations for 1941

License number	Gasoline used (gallons)	Cost gasoline	Oil used (quarts)	Cost oil	Cost of tires and tubes	Cost--repairs, grease, and accessories	Mileage during 1941	Total cost	Miles per gallon gas	Total cost per mile
↓ 24	614.45	\$ 86.39	75	\$13.60	\$ 1.75	\$ 42.10	11,579	\$ 143.84	18.84	1.24 6
24	5.00	0.93	...	...	...	...	150	0.93	...	...
↔ 28	379.00	66.87	23	3.45	...	8.30	4,965	78.62	13.10	1.58 6
28	1,157.40	189.92	47	11.53	...	113.41	20,134	314.86	17.40	1.56 6
33	502.70	87.18	21	5.73	...	32.11	6,962	125.02	13.85	1.80 6
34	498.50	81.42	23	5.68	...	34.11	4,740	121.21	9.51	2.60 6
35	587.60	101.23	29	6.28	...	34.95	5,882	142.46	10.01	2.42 6
↔ 36	51.80	9.56	5	1.35	...	0.90	736	11.81	14.21	1.60 6
↓ 16	402.50	76.60	25	3.85	...	14.45	2,766	94.90	6.87	3.43 6
14	963.05	161.24	42	11.09	...	67.01	16,887	239.34	17.54	1.42 6
45	1,297.55	214.94	61	15.66	10.05	53.26	24,162	293.91	18.62	1.22 6
↔ 47	415.75	70.16	27	7.70	...	10.21	6,836	88.07	16.44	1.29 6
Total	6,875.30	\$1,146.44	378	\$85.92	\$11.80	\$410.81	105,799	\$1,654.97	15.39	1.566

- ↓ Chevrolet sedan delivery--traded in during October.
- ↔ Traded in during April.
- ↔ Transferred to Drayton Plains in April.
- ↔ Transferred from Drayton Plains to Hunt Creek in May.
- ↔ Purchased (new) in May.

INSTITUTE FOR FISHERIES RESEARCH

By W. F. Carbine

Report approved by: A. S. Hazzard

Report typed by: R. Bauch