



**Military, Veterans and Homeland Security Committee
Michigan Wing - Civil Air Patrol Presentation**

**Presented by Lt Col James Matthews, CAP
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What is the Civil Air Patrol?

The Civil Air Patrol (CAP) is a congressionally chartered, federally supported 501-c non-profit corporation that serves as the official civilian auxiliary of the United States Air Force (USAF).



Civil Air Patrol History



CIVIL AIR PATROL COASTAL PATROL BASE LOCATIONS

COASTAL PATROL FACTS:

- National Commanders during operation, Brig Gen John F. Curry, then Brig Gen Earl Johnson;
- Operations began 5 March 1942 and ended on 31 August 1943;
- 90 day experiment lasted 18 months;
- Started with 3 bases and ended with 21;
- 86,865 missions flown totaling 244,600 hours and covering over 24 Million miles;
- 91 ships in distress and 363 u-boat attack survivors had helped summoned for them by CAP;
- 5,684 special convey missions flown at the request of the US Navy;
- 17 mines spotted;
- 83 bombs and depth charges were dropped;
- 2 confirmed German Subs sunk, with 57 additional probables;
- 26 auxiliariesmen perished, 7 critically wounded, 90 aircraft were lost.



Missions during World War 2

- Coastal Patrol (including anti-submarine combat missions)
- Search and rescue and natural disaster support
- Emergency transport of personnel and cargo
- Border patrol
- Air defense (targets for AA, aircraft, search light)
- Observation training support for Army units
- Forest fire spotting
- Cadet programs and aerospace education

Based on the organization's service to the United States during World War 2, Congress approved the Civil Air Patrol to receive the nation's highest civilian award in 2014. All members (cadet or adult) that were part of the organization during 1941-1945 are eligible to receive this medal.



Civil Air Patrol Congressional Gold Medal

Congressional Missions

Emergency Services

Aerospace Education (Internal/External)

Cadet Programs



CAP Regions



The principal missions include search and rescue missions, disaster relief, and humanitarian services.



Emergency Services

The Aerospace Education Program provides aviation related education and educational activities for members.



Aerospace Education

The Cadet Program is centered on teaching four main elements: Leadership, Aerospace Education, Fitness, and Character.



Cadet Programs

Annual National/Regional Cadet Activities



7 National Flight Academies
(5 Powered & 2 Glider)

15 Aerospace Career Courses
(8 Air Force & 7 Civilian Aerospace)

Cadet Orientation Flights
(5 Powered & 5 Glider for CAP cadets
average of 10,000 flown annually)
(Also assist the US Air Force with
providing flight training to ROTC &
JROTC cadets)

International Air Cadet Exchange (IACE)

Region & Wing Summer Encampments



Michigan Wing Headquarters is located at Selfridge Air National Guard Base.

The Wing is comprised of 8 groups and 42 units statewide

Michigan Wing Unit Structure

Volunteer members

712 adult members
420 cadets
174 aircrew personnel
830 emergency responders

Squadrons

50 locations statewide

Aircraft

12 single engine
2 gliders

Vehicles

20 vehicles

Interoperable Communications

13 VHF/FM repeaters
180 VHF/FM stations
38 HF stations

Missions

3 search and rescue missions (3 finds)
6 disaster relief missions
13 air defense intercept training and evaluation missions
13 CAP, AFROTC & AFJROTC cadet orientation flight missions
8 other Air Force support missions
8 training missions
1 other missions in support of partner agencies and organizations or local municipalities

Current Michigan Wing Statistics

1 other Air Force support mission
17 training missions
1 other state support mission
3 other missions in support of partner agencies and organizations or local municipalities

Significant Events Supported in Fiscal Year 2020

Fertile Keynotes; Operation Northern Strike; Tittabawassee River Dam collapse; search for missing USAF F-16 pilot in the UP and Cold Regions Test Center Military Training Route Low Level Route Survey

COVID-19 Mission Support

Augmenting EOCs; Distributing Test Kits & PPE

Cadet Flying

472 CAP, AFROTC & AFJROTC cadet orientation flights

Total Hours Flown: 1,815

\$3,995,398 value of
wing's volunteer
hours

CAP'S BENEFITS

Professionally trained National Incident Management System (NIMS) qualified personnel at a low cost.

CAP'S CUSTOMERS

DoD / FEMA / USCG / CBP / USFS / USGS / EPA / DEA / BLM / NOAA / NWS / NGA / state and local agencies

CAP ASSETS/RESOURCES AVAILABLE

31,000 trained volunteers / 550 aircraft and over 900 vehicles owned by CAP / Over 10,000 VHF-FM and HF interoperable radios / Fixed digital nationwide radio network with over 500 repeaters / 133 tactical (portable) repeaters / 900 ground teams / Over 500 chaplains

CAP MISSION TYPES

Search and Rescue / Disaster Response / Drug Interdiction / Law Enforcement Support / Homeland Security / Environmental Monitoring and Response / Air Intercept and Radar Evaluation Targets / Low-Level Route Surveys / Fire Spotting / Traffic Monitoring / Ground and Aerial Digital Imaging & Reconnaissance / Hyperspectral Imaging / Endangered Species Tracking / Air and Ground Communications Support

CAP MISSION DETAILS

Airborne reconnaissance of border and coastal areas, ports and harbors, and critical infrastructure as "presence" missions; impact and damage assessment and recovery support for disaster areas / Damage assessment and disaster recovery with trained ground teams able to augment civil and military authorities / Aerial transportation of personnel, equipment, blood, tissue, organs and various customer-supplied sensor packages (subject to FAA reimbursement rules) / Communications support, nationwide VHF-FM and HF capability to include fixed site and tactical (ground and air) repeaters / CAP has ICS/NIMS trained emergency services personnel available to serve at all levels in the Incident Command System mission organization / Chaplain and critical incident stress management support

Civil Air Patrol CAPabilities



Cost Effective Force Multiplier

\$7,000
\$6,000
\$5,000
\$4,000
\$3,000
\$2,000
\$1,000
\$0



□ Auxiliary - Cessna

■ Helicopter - HH60G

■ RPA - MQ-1B

■ Airlift - C-130



Platforms



Gippsland GA-8 (16)

Cruise speed 110-135 kts

Range 520-730 NM



Cessna 206 (22)



Cessna 182 (285)

Can operate with 2500' runway
VHF AM and FM radio
100 aircraft have satellite phones



Cessna 172 (195)

Requesting CAP Resources:

All requests in Michigan need to go through the Michigan State Police's Operation Center in Lansing. The Michigan State Police will then contact one of the following depending on the request for resources.

For Search And Rescue (SAR) / Life-Saving Missions (Including emergency blood, organ & tissue transport):

AIR FORCE RESCUE COORDINATION CENTER (AFRCC) - MANNED 24 /7 /365

For all other mission requests:

(Includes immediate response missions to prevent human suffering or to mitigate great property damage as well as "routine" missions):

CAP NATIONAL OPERATIONS CENTER (CAP-NOC) - MANNED 24 /7 /365

CY2020 MIWG COVID-19 & Tittabawasse River Dam Collapse Mission Data





TCF & SCS Regional Care Centers

TCF Regional Care Center (Detroit MI) - 1,000 Beds

- Twenty Officers and Cadets individuals on this team worked a combined 5,760 hours over 380 man days.
- Incident Management Team was lead and staffed by CAP for the final fifteen day operational cycle.
- Active Covid patients were on site until demobilization.

SCS Regional Care Center (Novi, MI) - 250 Beds

- Twenty Four Officers and Cadets individuals on this team worked a combined 600 hours over 84 man days.
- Incident Management Team was lead and staffed by CAP for the final fifteen day operational cycle at the request of the MSP EOC.
- Active Covid patients were on site prior to demobilization.



TCF Regional Care Center



TAXPAYER SAVINGS

- Hours 5,760
- Man Days 384
- Salary 128,000
- Overtime 168,000
- Total (GS11-Step 7) 296,000
- Expenses 46,080
- Estimated Savings 342,080



TCF Arena (20-1-5028)



IMT Staff Headcount	119
IMT Duty Hours	1,277
Aircrew Duty Hours	0
Aircrew Flight Hours	0
Ground Crew Hours (includes Warehouse)	0
Total Mission Resource Hours	1,277
Flight Sorties	0
Ground Sorties	100
Total Mission Sorties	100
PPE/Disposable Masks Delivered	0
Test Kits Delivered	0
Test Samples Transported to Labs	0
Other Items Transported	1,100
Total Items Transported	1,100



Suburban Showplace (20-1-5028)



IMT Staff Headcount	56
IMT Duty Hours	240
Aircrew Duty Hours	0
Aircrew Flight Hours	0
Ground Crew Hours (includes Warehouse)	208
Total Mission Resource Hours	448
Flight Sorties	0
Ground Sorties	18
Total Mission Sorties	18
PPE/Disposable Masks Delivered	0
Test Kits Delivered	0
Test Samples Transported to Labs	0
Other Items Transported	0
Total Items Transported	0



PPE/Test Kit/Food Distribution



PPE & Test Kit Distribution for MI Health and Human Services

- FY2020 - Thirty Seven Flights and Twenty Five members
- FY2021 – Twenty Two Flights and Thirteen members (Active)

Community Food & Equip Distribution for the MI Community Agency

- Two Air & Six Ground Sorties. **PAID AT VOLUNTEER EXPENSE.**



Tittabawassee Dam Breaks



- Aircraft and Aircrews from 3 states
- Tested high resolution video equipment and software
- Coordinated with Michigan and FEMA Region V for common deliverables.
- Imagery provided using Airplanes and Unmanned Aerial Systems (UAS)



Flooding - MBS | GDW | BAY Counties



IMT Staff Headcount	11
IMT Duty Hours	98
Aircrew Duty Hours	202
Aircrew Flight Hours	34
Ground Crew Hours (includes Warehouse)	0
Total Mission Resource Hours	334
Flight Sorties	15
Ground Sorties	2
Total Mission Sorties	17
PPE/Disposable Masks Delivered	0
Test Kits Delivered	0
Test Samples Transported to Labs	0
Other Items Transported	0
Total Items Transported	0



Total MIWG Contribution

IMT Staff Headcount	231
IMT Duty Hours (Includes MIWG DOS)	1,842
Aircrew Duty Hours	322
Aircrew Flight Hours	129
Ground Crew Hours (includes Warehouse)	258
Total Mission Resource Hours	2,551
Flight Sorties	67
Ground Sorties	132
Total Mission Sorties	199
PPE/Disposable Masks Delivered	100,800
Test Kits Delivered	2,400
Test Samples Transported to Labs	6,731
Other Items Transported	1,112
Total Items Transported	111,043

