

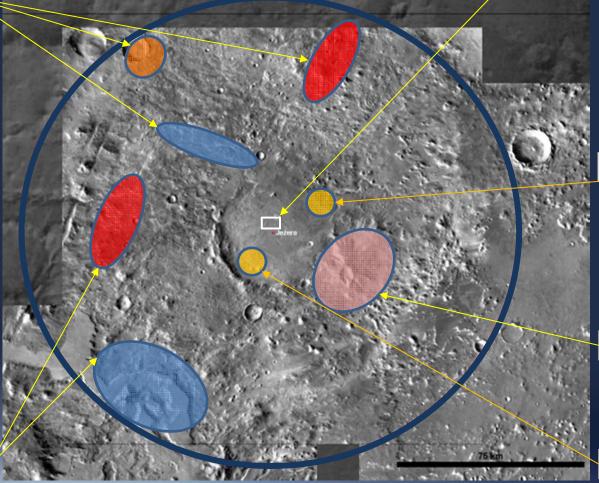
## **Exploration Zone Layout**

### Habitation Zone

Science ROI's

**Exploration Zone** 

- -- 200 km diameter
- -- Semi-Permanent Research Station



**Resource ROI** 

**Science ROI** 

**Resource ROI** 

Science ROI's

## Field Station Analog-McMurdo, Antarctica

#### **Emplacement**

# British National Antarctic Expedition 1902 R.F. Scott's "winter quarters hut" - Used for both local scientific research and as a logistical base for traverses inland.



#### Permanent occupation - 1955

Naval Air Facility McMurdo -Part of "Operation Deep Freeze" to support the International Geophysical Year; included a collection of semipermanent structures (e.g., tents, Jamesway huts).

#### Consolidation



#### **McMurdo Station Today**

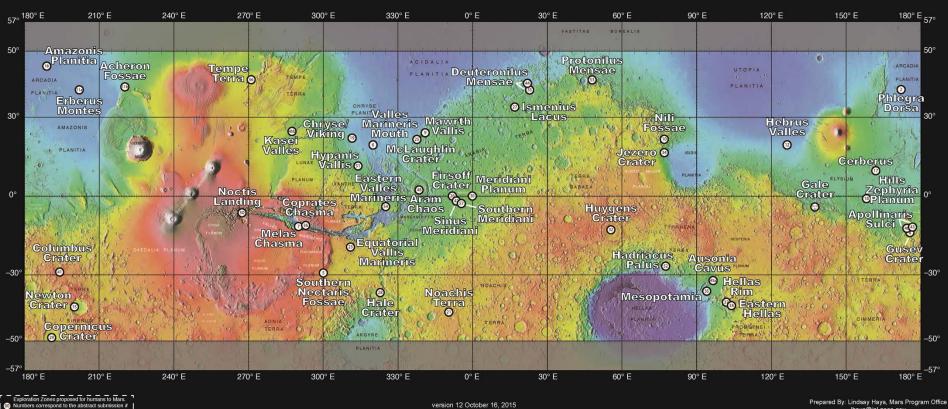
Antarctica's largest community and a functional, modern-day science station, including a harbour, three airfields (two seasonal), a heliport, and more than 100 permanent buildings

#### Utilization





#### Potential Exploration Zones for Human Missions to the Surface of Mars



At the equator, circles are ~100km radius

## Possible Approaches Based on Analogs

