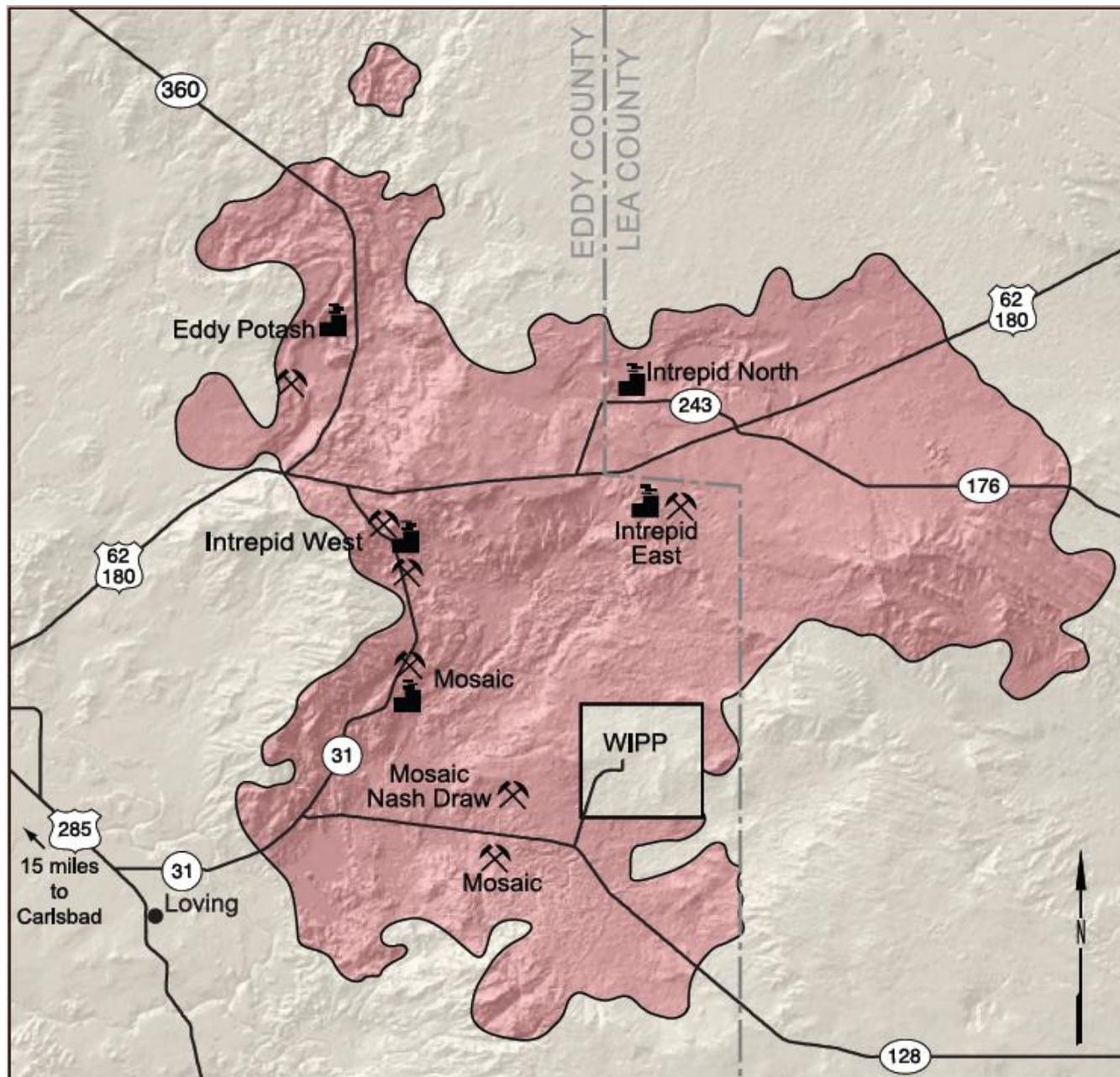


Mosaic Carlsbad Site Overview

6/6/2012



Location





Mosaic Carlsbad Facts

- Operations began in 1940
- One of the largest underground mines in US
- Mined in excess of 300 million tons
- Mine openings in excess of 4,000 miles
 - East coast to Carlsbad and back
- Approximately 260 million tons remaining
- Mine two separate potassium minerals
 - Sylvite
 - Langbeinite





Mosaic Carlsbad Facts

- Mosaic employees approximately 700 people including contractors
- Manpower 55% U/G, 35% Surface, 10% support staff
- Maximum of ~80 employees underground during a shift





Mosaic Carlsbad Facts

- Reserves located on 70 square miles, approximately 80% BLM potash leases
- Mine workings extend ~17 miles
- 7 mine shafts
- Average ore depth is 800-1,000 ft.
- Average mining height
 - Langbeinite 10 ft.
 - Sylvite 6 ft.





Mosaic Carlsbad Facts

- Mine in excess of 7 million tons annually
- Produce in excess of 1.2 million tons of finished product annually
- Largest producer (85% of known capacity) of langbeinite (K-Mag)
 - Low chloride potassium
 - Magnesium
 - Sulfur
- Approximately 80% of US potash production is from Carlsbad basin



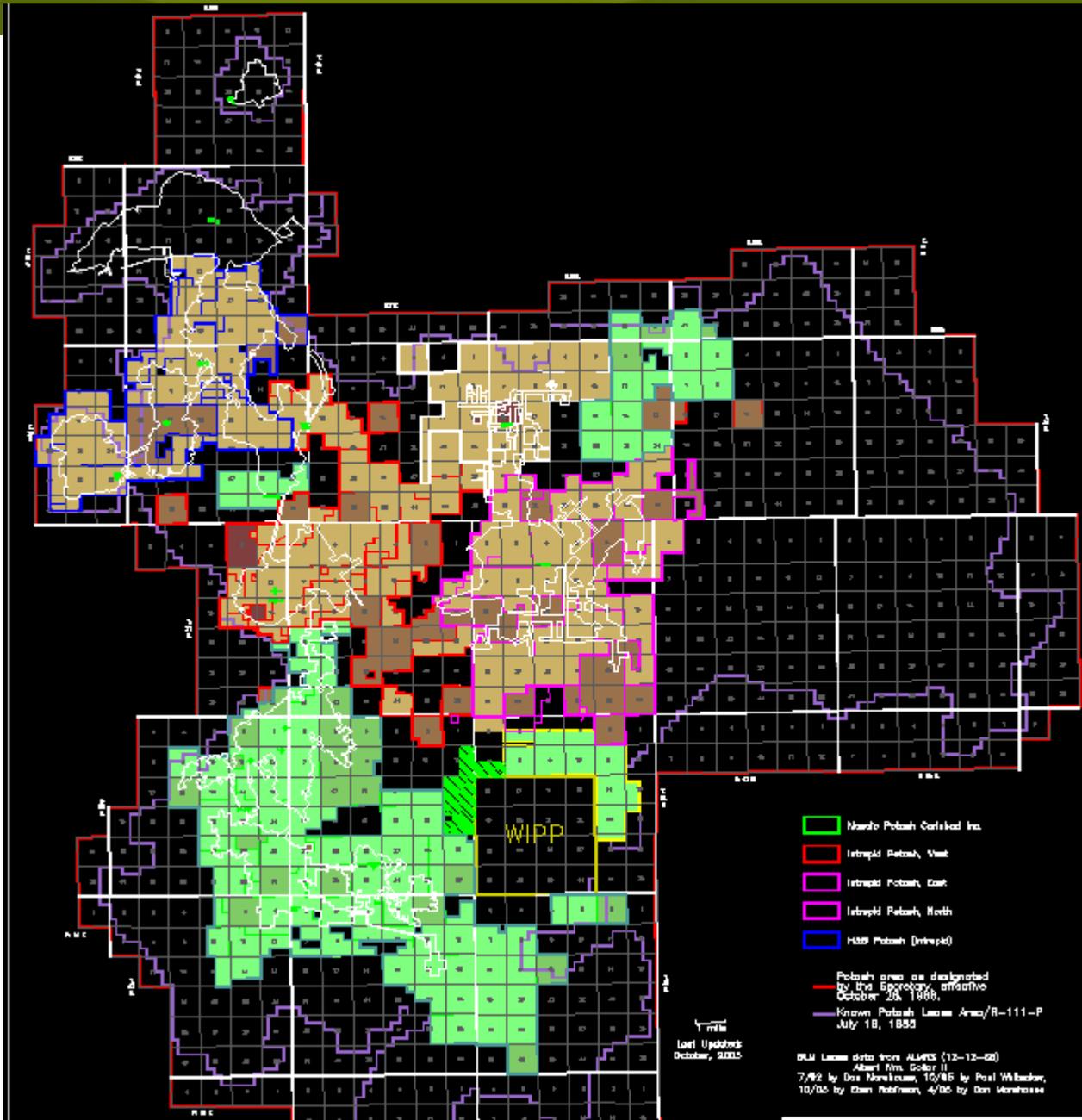


Mosaic Carlsbad Facts

- Finished product is distributed 90% rail and 10% truck.
- KMAG sales are 50% domestic market with the remaining 50% to the international market.
- Muriate of Potash sales are 90% domestic market with the remaining 10% to small international market.
 - 20% of Potash is dedicated to the animal feed market.



KPA – Potash Leases



Stratigraphic Section

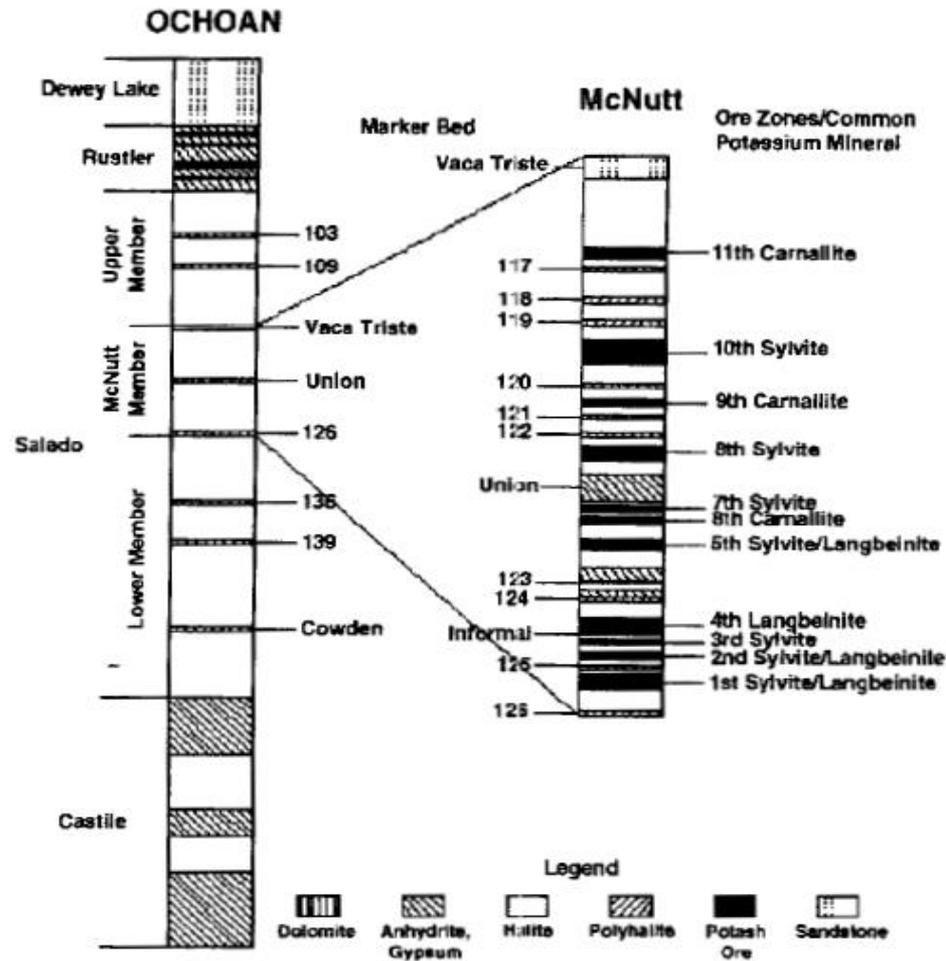
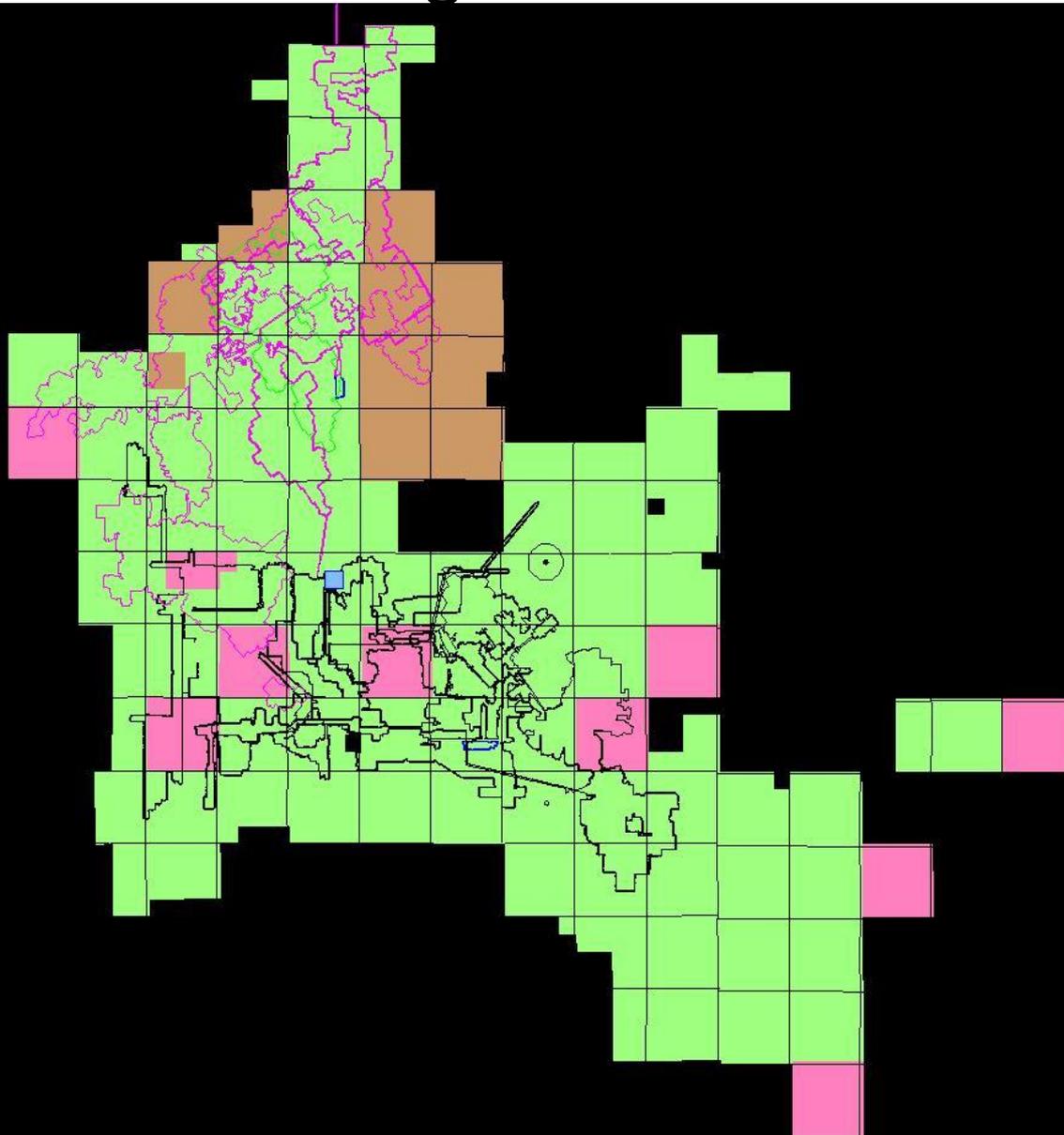


FIGURE 12.1 Stratigraphic column Castile/Salado/Rustler with detailed McNutt member of the Salado

Current Mine Workings





Mine Facts

- Historically Mosaic has mined on 4 ore zones, currently mining 2
- Sylvite Ore: 3.7 MMT/yr at 10.5% K_2O
- Langbeinite Ore: 4.1 MMT/yr at 5.1% K_2O



Mine Facts

- 5 continuous miners cutting Sylvite and 5 producing Langbeinite ore
- 30 years of Sylvite reserves and 20 years of Langbeinite reserves on the books
- 300 employees work underground

Underground Equipment-Battery Ramcar



Underground Equipment- Continuous Miner





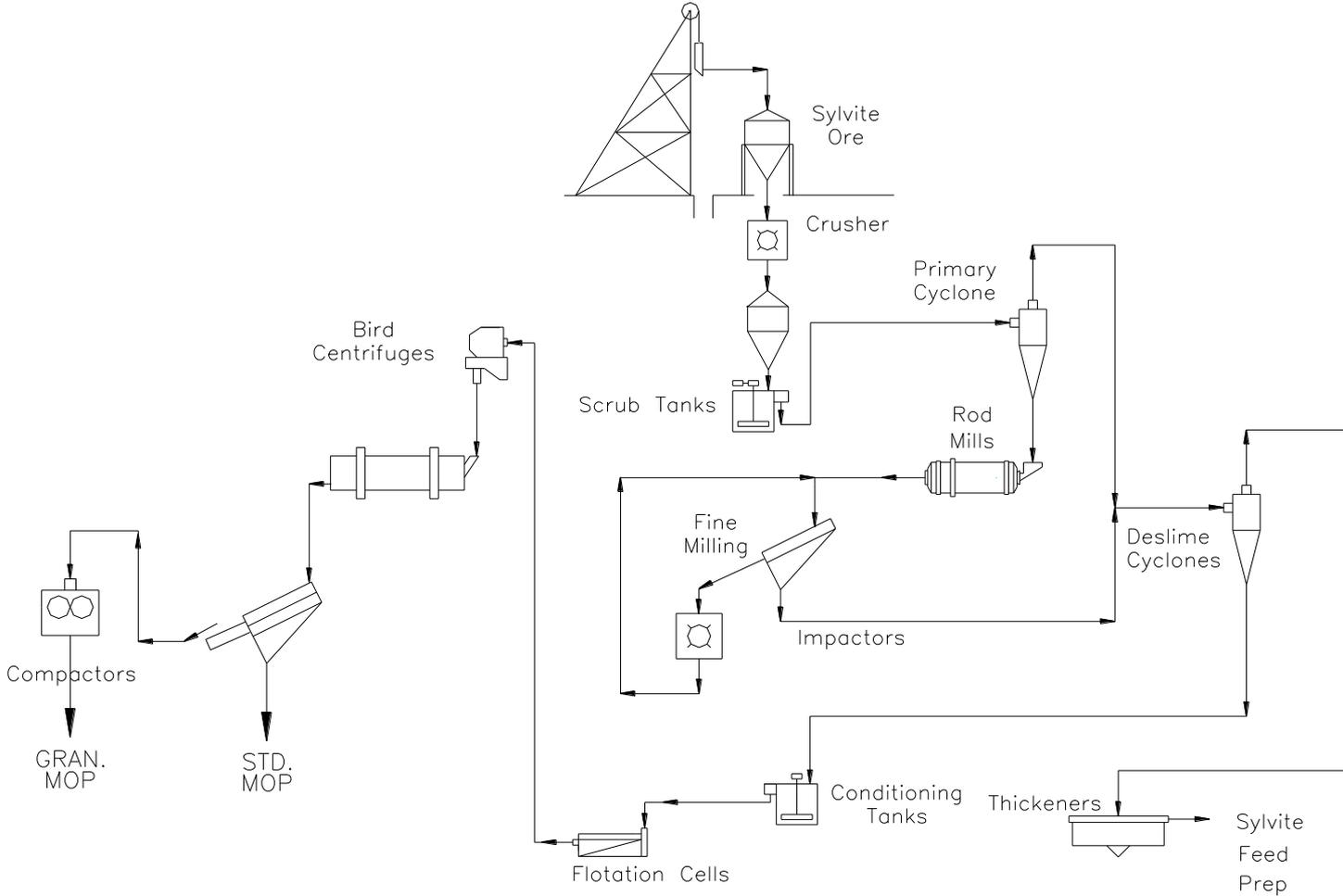
MOP Production Data

- Plant Capacity is 430,000 tons annually
 - Granular – 340,000 tpy
 - Standard – 50,000 tpy
 - Dyna-K – 40,000 tpy

MOP Plant



MOP Process Flow





K-Mag Production Data

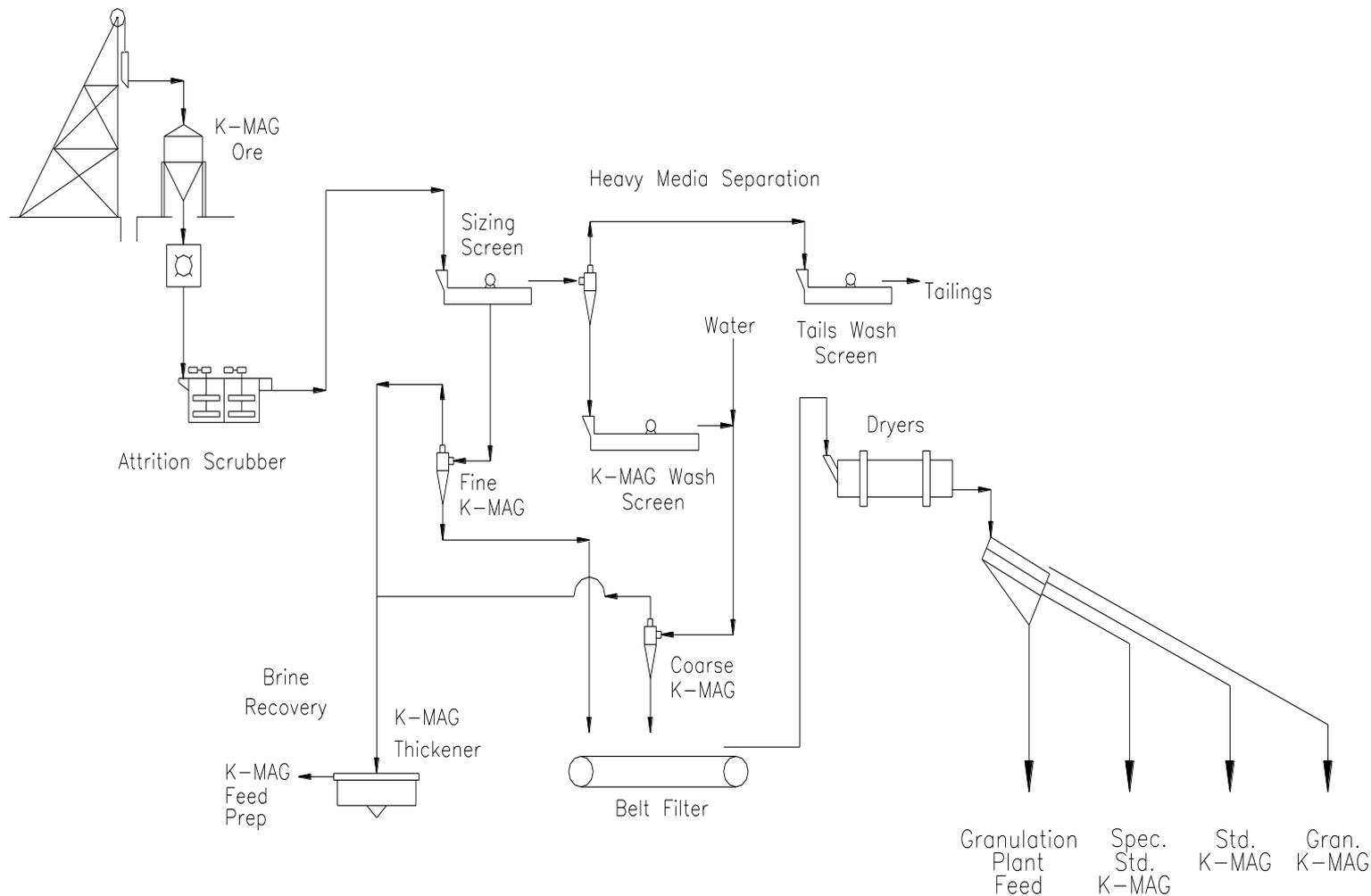
Plant Capacity is 850,000 tons annually

- Granular – 360,000 tpy
- Premium – 300,000 tpy
- Standard – 170,000 tpy
- S Standard – 20,000 tpy

KMAG Plant (built in 1999)



KMAG Process Flow



Questions?



Mosaic[®]

