

bright horizon

deep roots

Compass Minerals Ogden, Inc. Great Salt Lake Technical Advisory Team Update December 2015



Agenda



- Compass Minerals and Compass Minerals Ogden Introduction
- History of Pond Expansion Proposals
- 2015 Changes
- Vision for Pond Sustainability



About Compass Minerals



- Headquartered in Kansas City metropolitan area
- Stock trades on the New York Stock Exchange under the symbol CMP (NYSE: CMP)
- History stretches back to 1844
- Two major business divisions: Salt and Plant Nutrition
- Production locations in three countries
 - Canada
 - U.K.
 - U.S.
- Almost 2,000 employees worldwide



Compass Minerals Locations



- **Underground mining: salt**
 - Cote Blanche, La., U.S.
 - Goderich, Ontario, Canada
 - Largest rock salt mine in the world
 - Winsford, Cheshire, U.K.
- **Mechanical evaporation: salt**
 - Amherst, Nova Scotia, Canada
 - Goderich, Ontario, Canada
 - Lyons, Kan., U.S.
 - Unity, Saskatchewan, Canada
- **Solar evaporation: salt, sulfate of potash and magnesium chloride**
 - Ogden, Utah, U.S.
- **Ion exchange: sulfate of potash**
 - Wynyard, Saskatchewan, Canada
- **Packaging: salt**
 - Buffalo, N.Y., U.S.
 - Chicago, Ill., U.S.
 - Duluth, Minn., U.S.
 - Kenosha, Wis., U.S.
- **Records management**
 - London, England, U.K.
 - Winsford, Cheshire, U.K.



Compass Minerals Core Values



Our core values empower us to fulfill our vision: *To be the best essential minerals company by delivering where and when it matters.*

Integrity

We operate in a fair and transparent manner, embracing the highest ethical standards in everything we do.

Respect

We are committed to creating a diverse, safe and inclusive organization where all are treated with dignity.

Collaboration

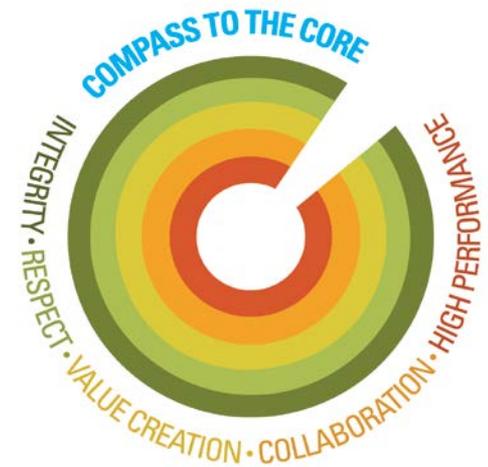
We accomplish more through cooperation and teamwork.

Value Creation

We deliver the best possible results for our customers and shareholders in a manner that respects the resources entrusted to us.

High Performance

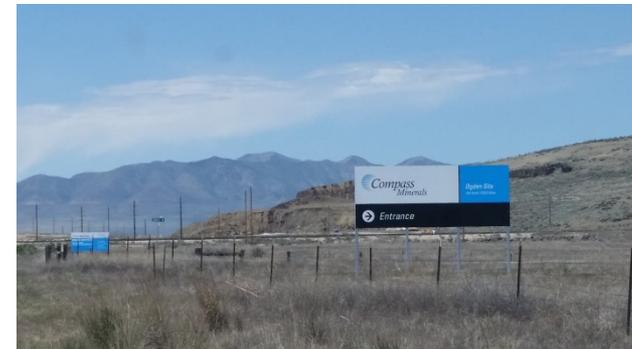
We achieve excellence through initiative, accountability and superior results.



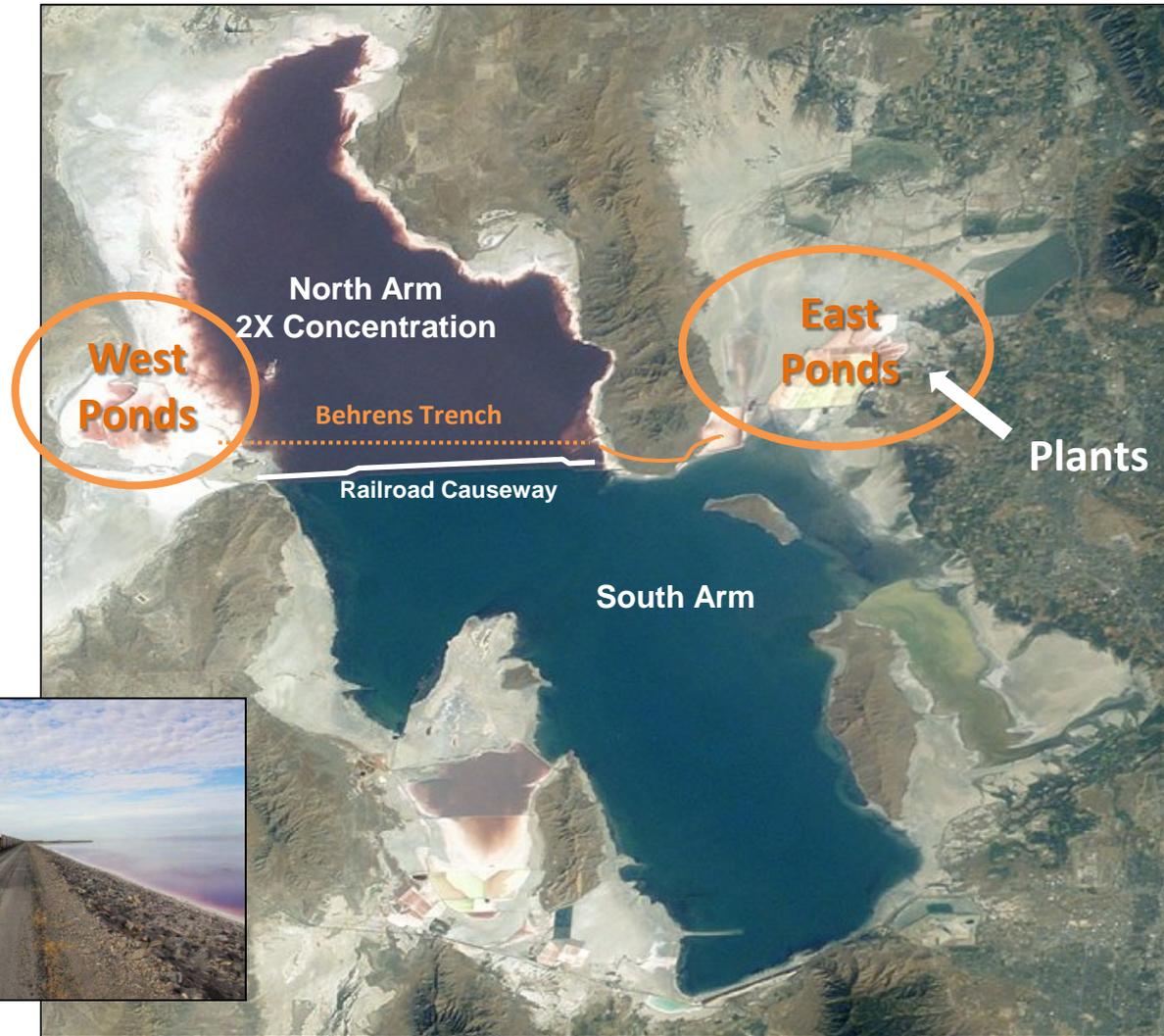
Overview of Ogden, Utah, Operations



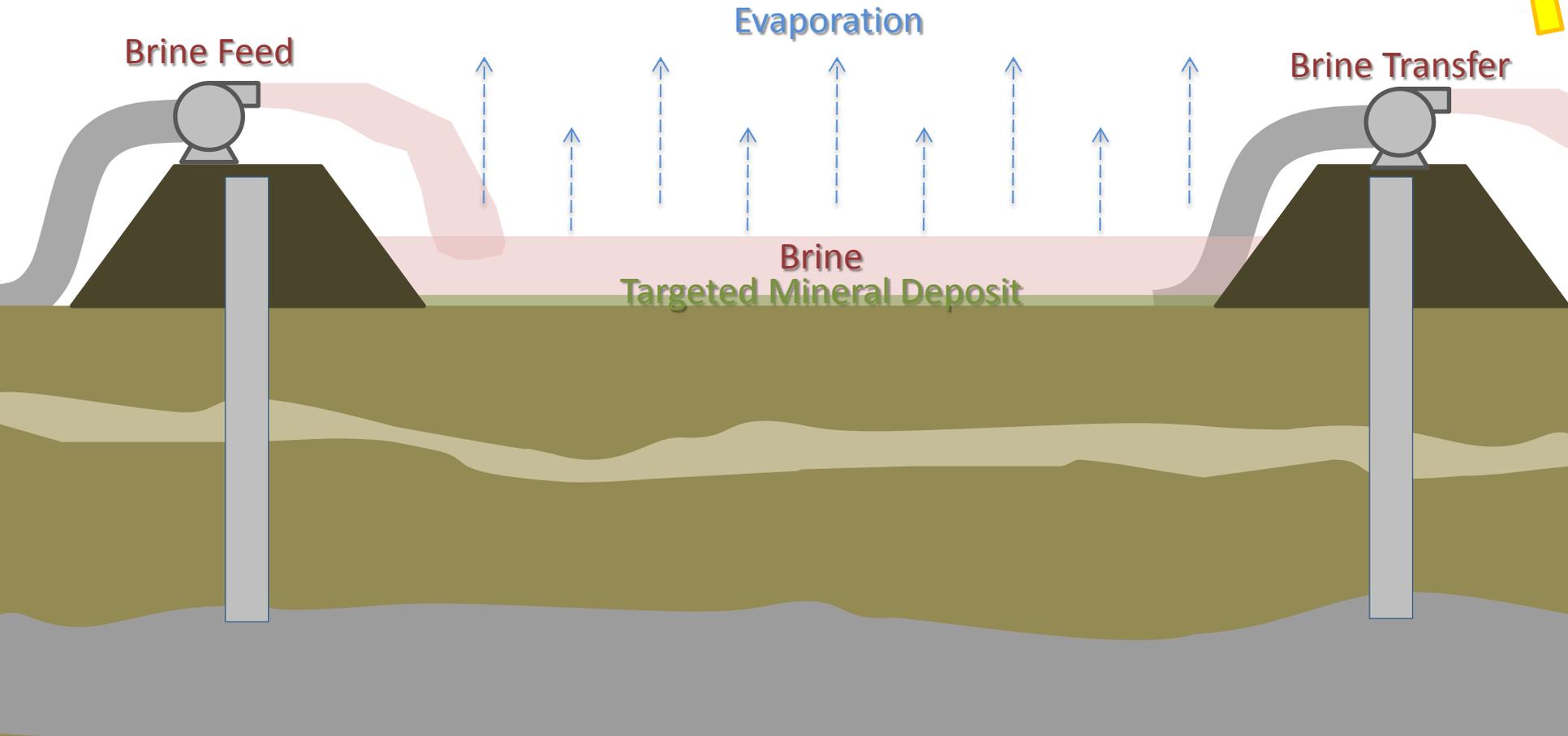
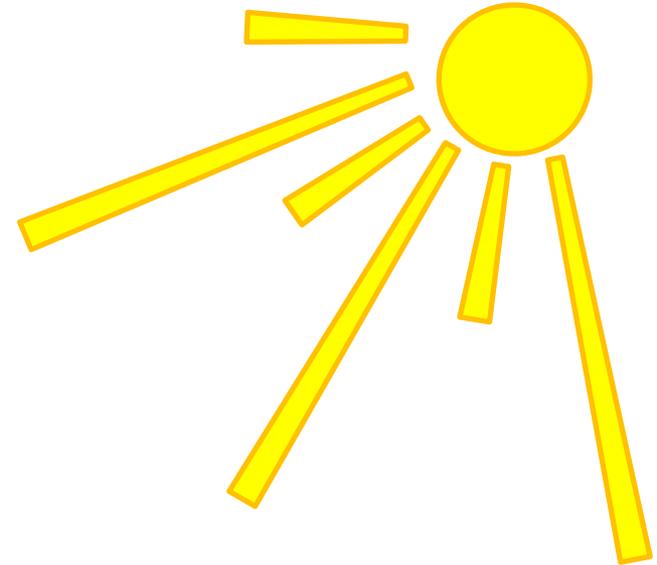
- Formerly known as Great Salt Lake Minerals Corporation through August 2014
- Manufacturing Plant located west of Ogden, Utah
- Produce Salt, Magnesium Chloride, and Potassium Sulphate
- ~300 employees
- 24,000 acres of ponds in southern reaches of Bear River Bay (South Arm of GSL)
- ~25,000 acres of ponds in Clyman Bay, west of Gunnison Bay (North Arm of GSL)
- Operated since early 1970s



Pond Operations on the Great Salt Lake



Solar Pond Operations



Brine Feed

Evaporation

Brine Transfer

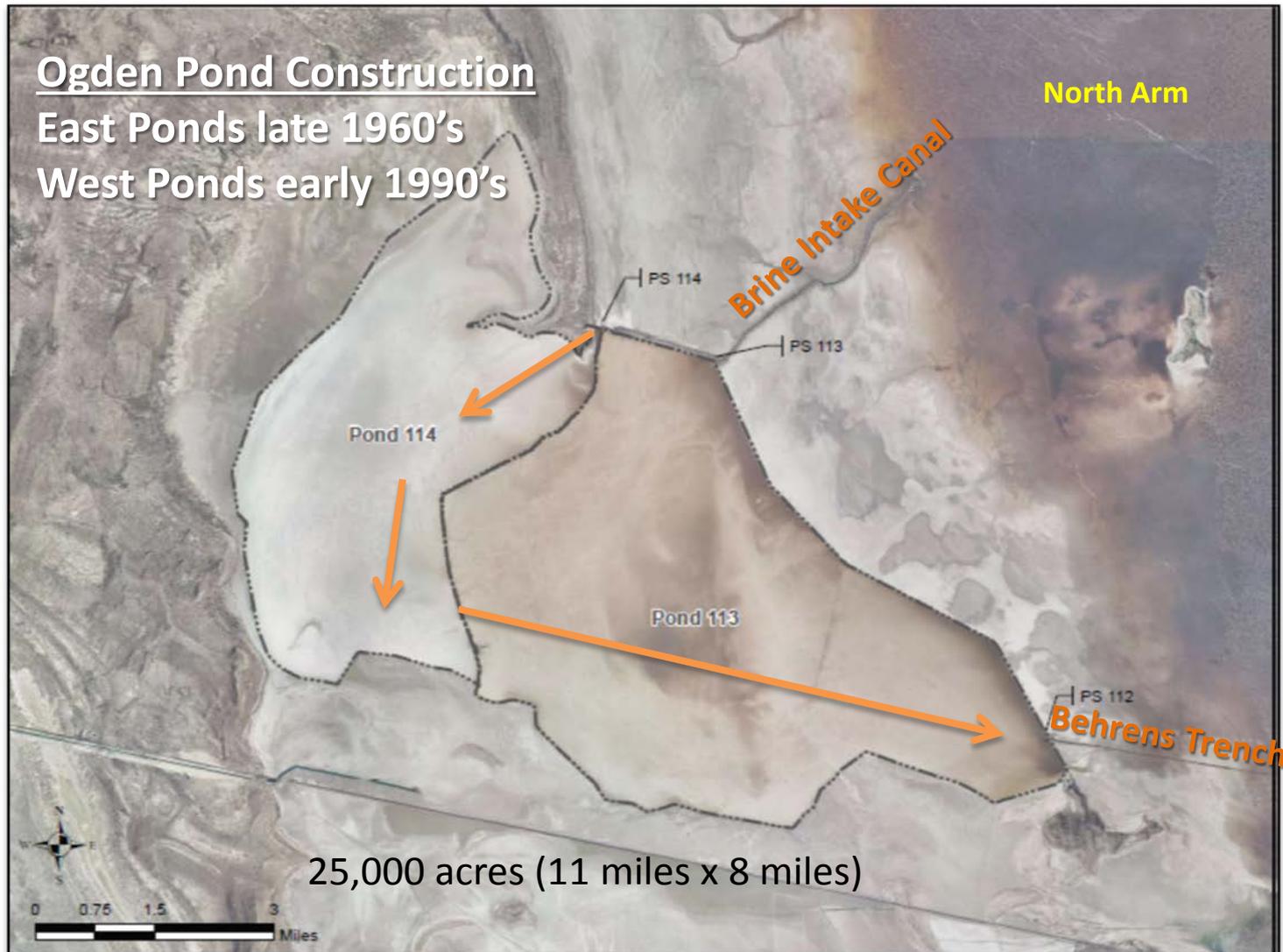
Brine
Targeted Mineral Deposit

West Ponds, Pre-Concentrators



West Brine Pumping (March – October)

West Pond System













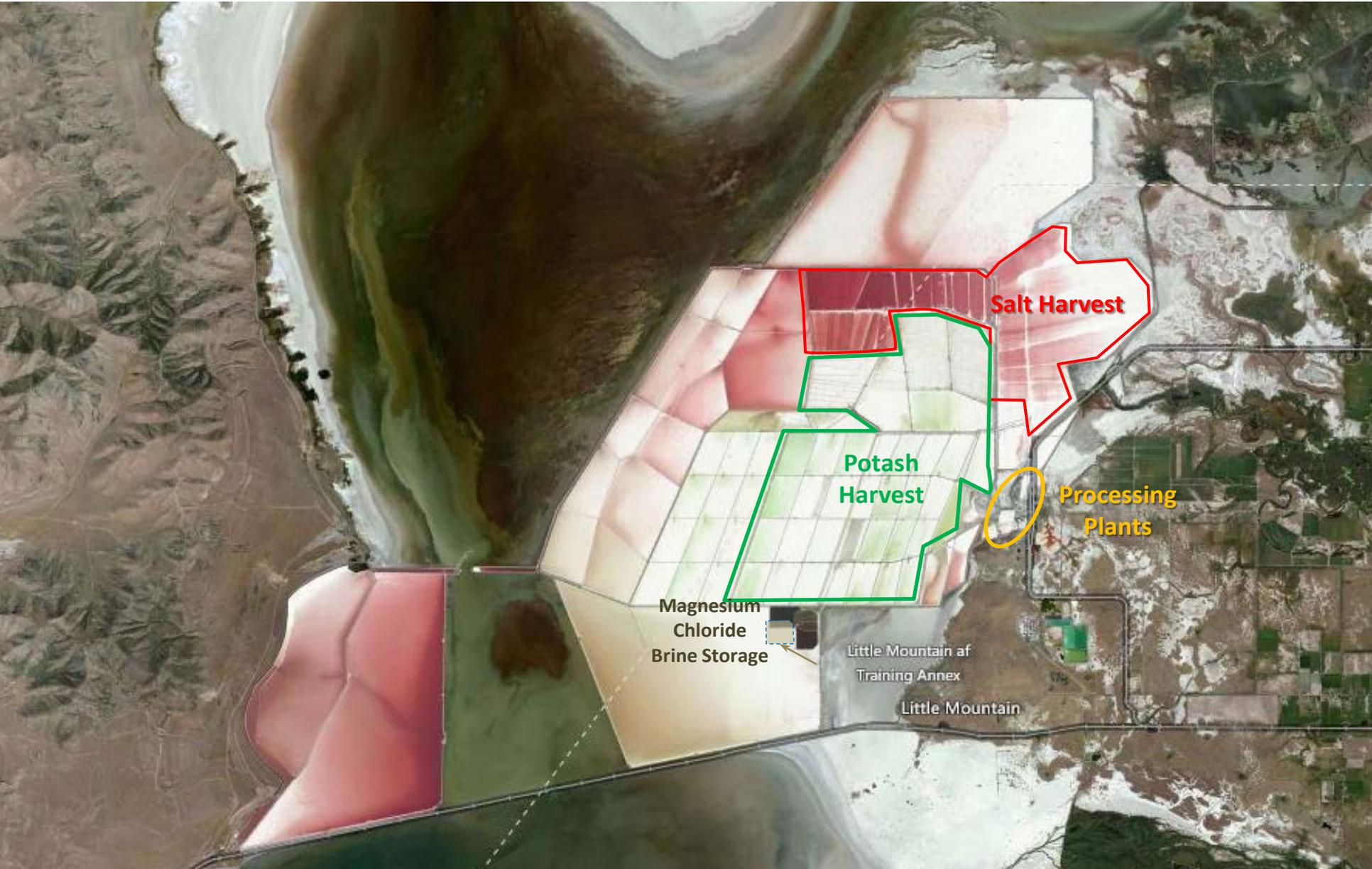


Behrens Trench – Connecting Pond Systems

- Underwater canal – dense brine stays on the trench bottom
- 21 miles long
- Seven-day brine transit time



East Pond System



Salt Harvest

Potash Harvest

Processing Plants

Magnesium Chloride Brine Storage

Little Mountain of Training Annex

Little Mountain

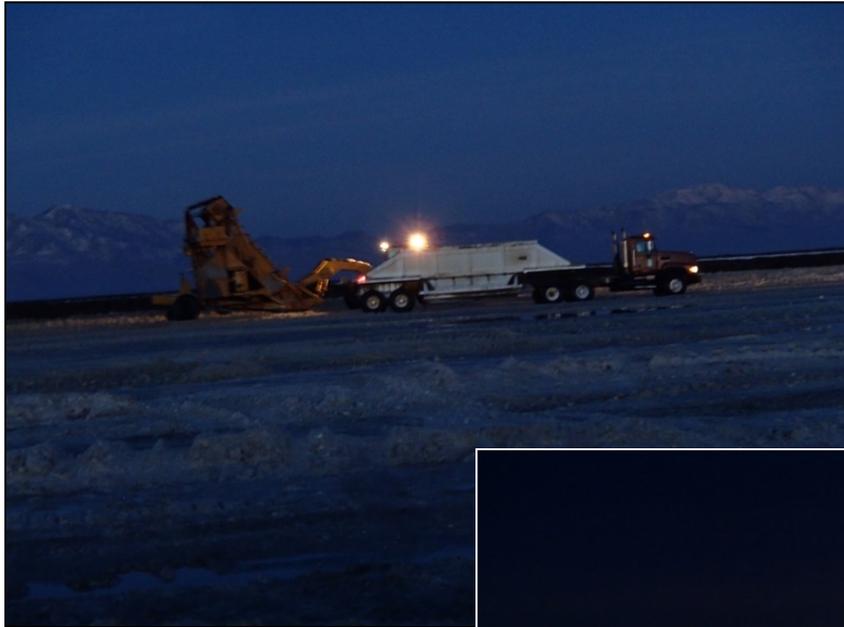
Potash Harvest September – May

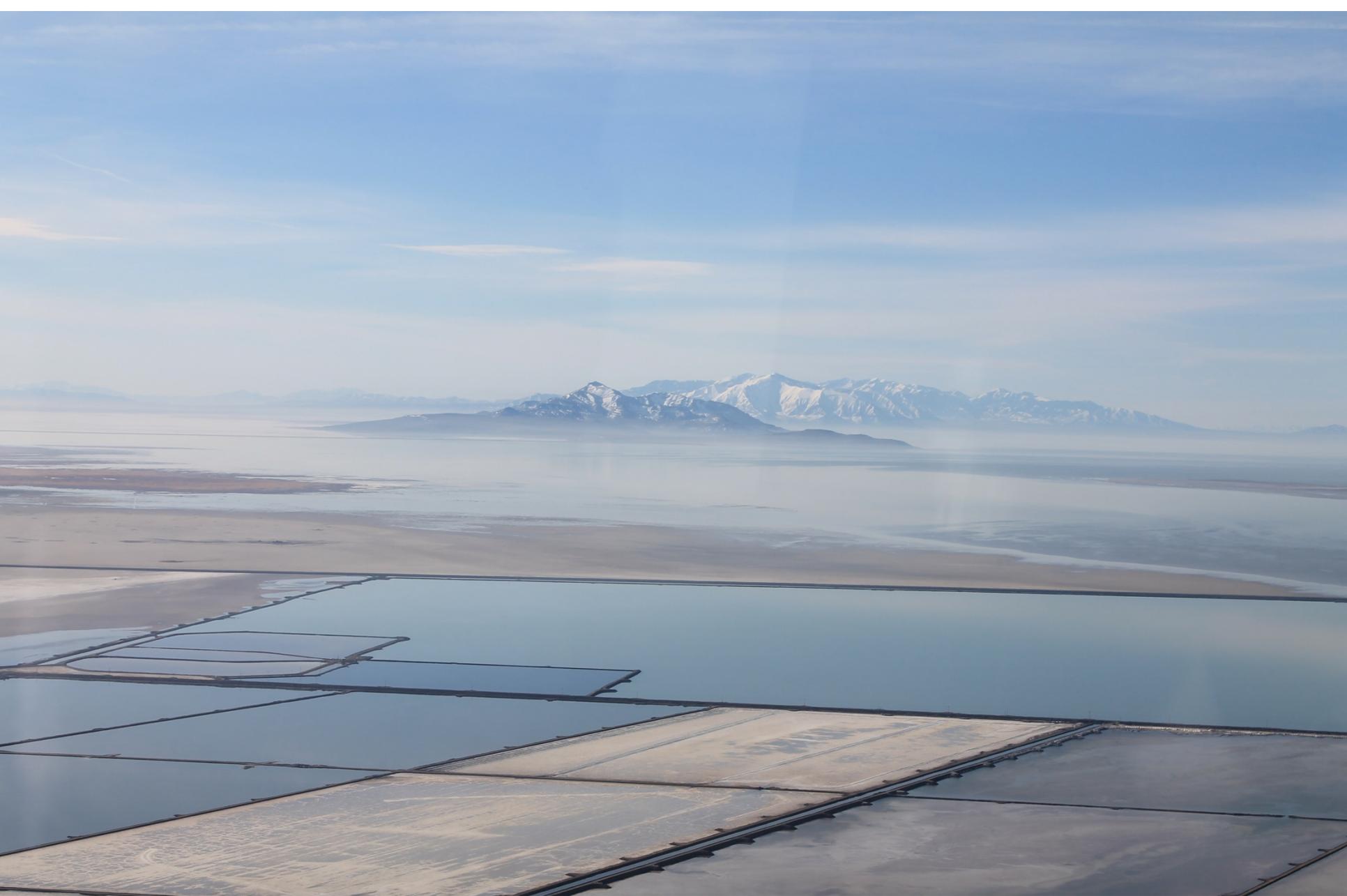


- Remove brine
- Cut deposit
- Stack to dry (windrow)
- Load trucks
- Haul to potash stockpile



24 Hours, 365 Days/Year Operation









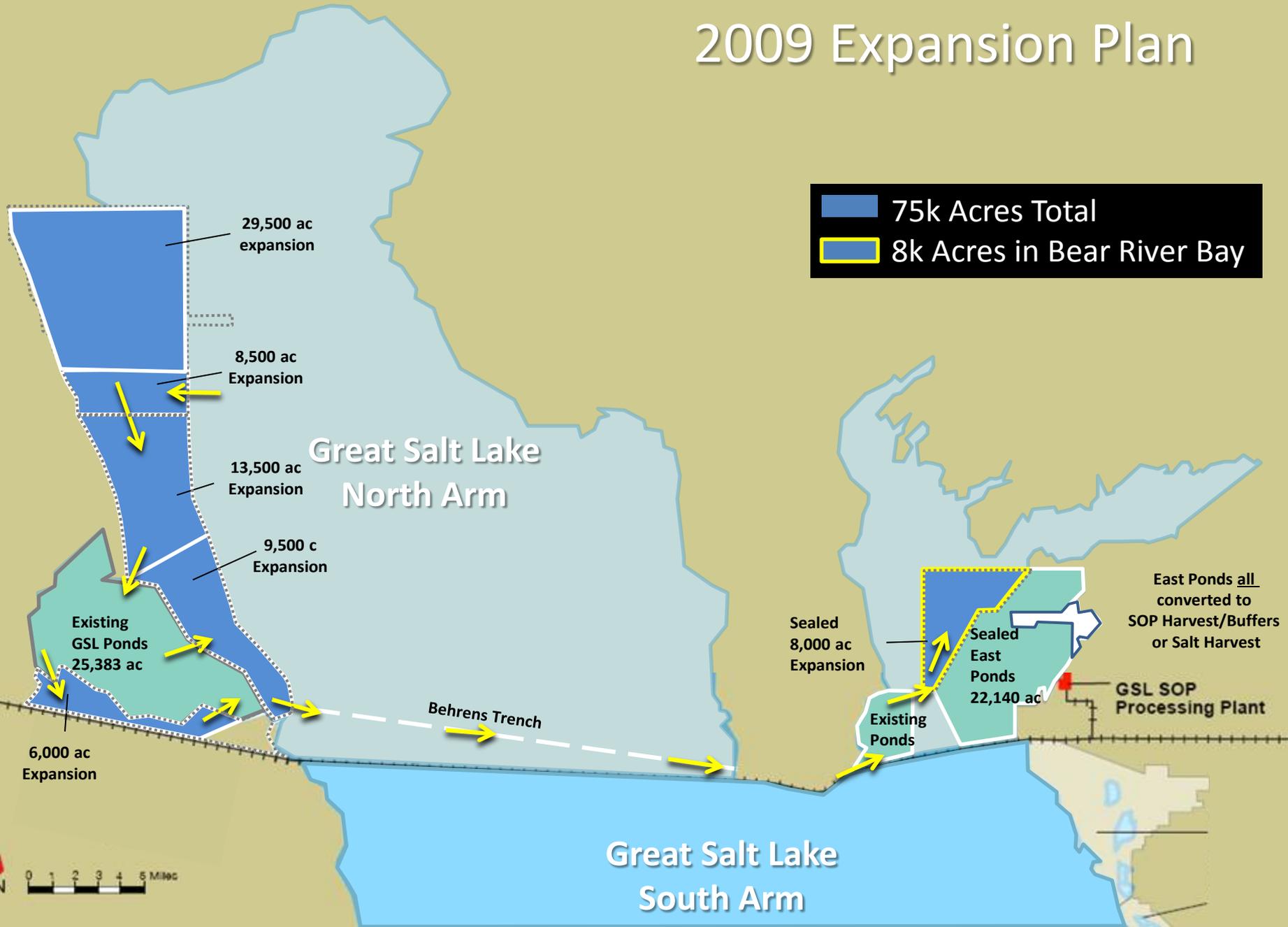
GSLM's Pond Expansion Original Proposal



Key elements...

- Original submittal in 2007, and modified in 2009
- Asked for 91,000 acres of new ponds
 - 8,000 acres in Bear River Bay
- Requested 353,000 acre feet/year consumptive water rights from GSL
- Although development would have been in stages, framework of request would have granted total and complete permissions

Great Salt Lake Minerals 2009 Expansion Plan

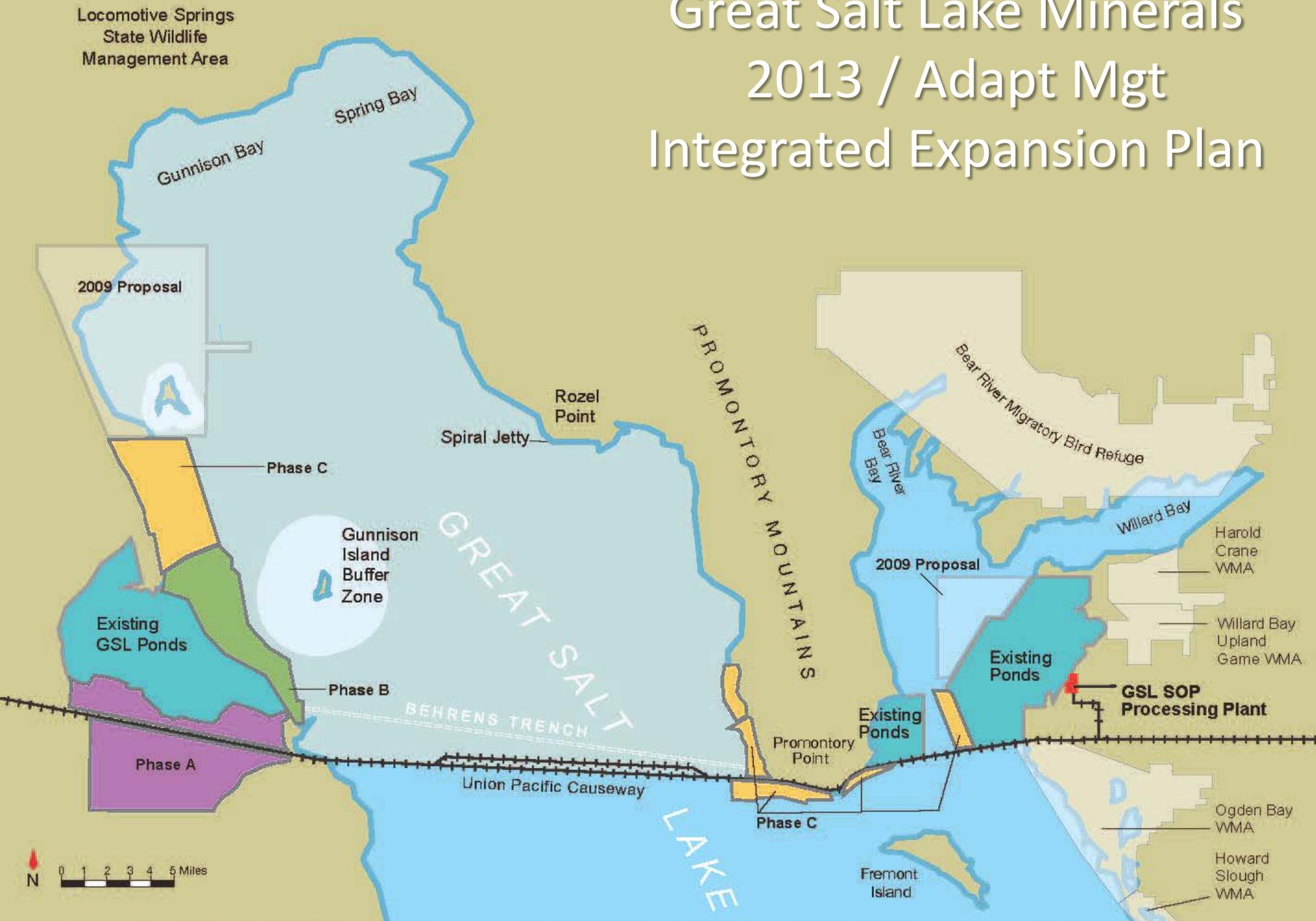


GSLM's Pond Expansion Proposal 2013 Revisions



- Reduced pond expansion concept to 51,000 acres (from 91,000 acres)
- Eliminated all development concepts in Bear River Bay
- Withdrew water rights request for 353,000 acre feet of additional consumptive brine
- Integrated Adaptive Management Principles
 - Development in three phases: A through C
- Delayed development on the east side of the lake until the final phase, and only if certain environmental criteria are met

Great Salt Lake Minerals 2013 / Adapt Mgt Integrated Expansion Plan

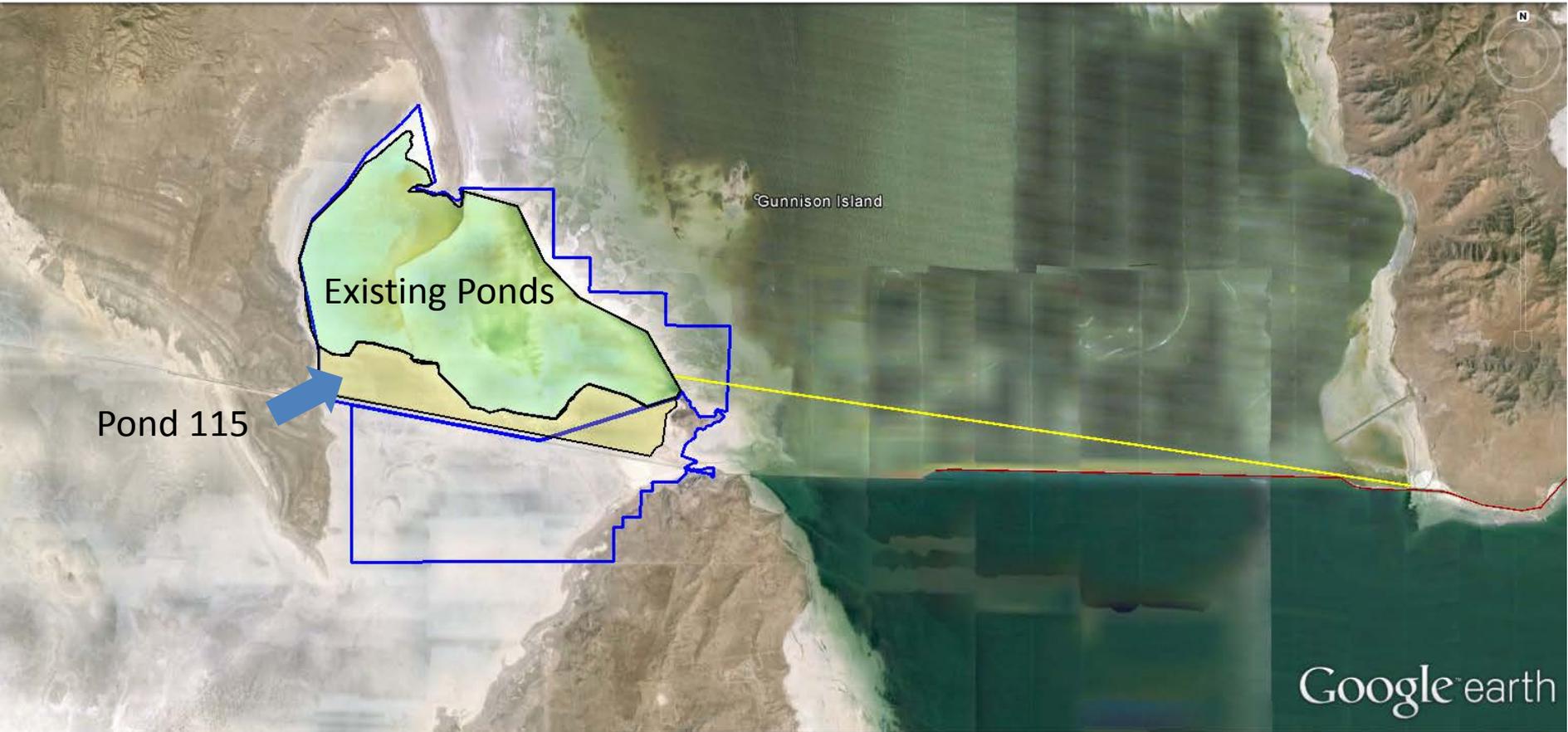


Compass Minerals' Pond Management and Development Plan

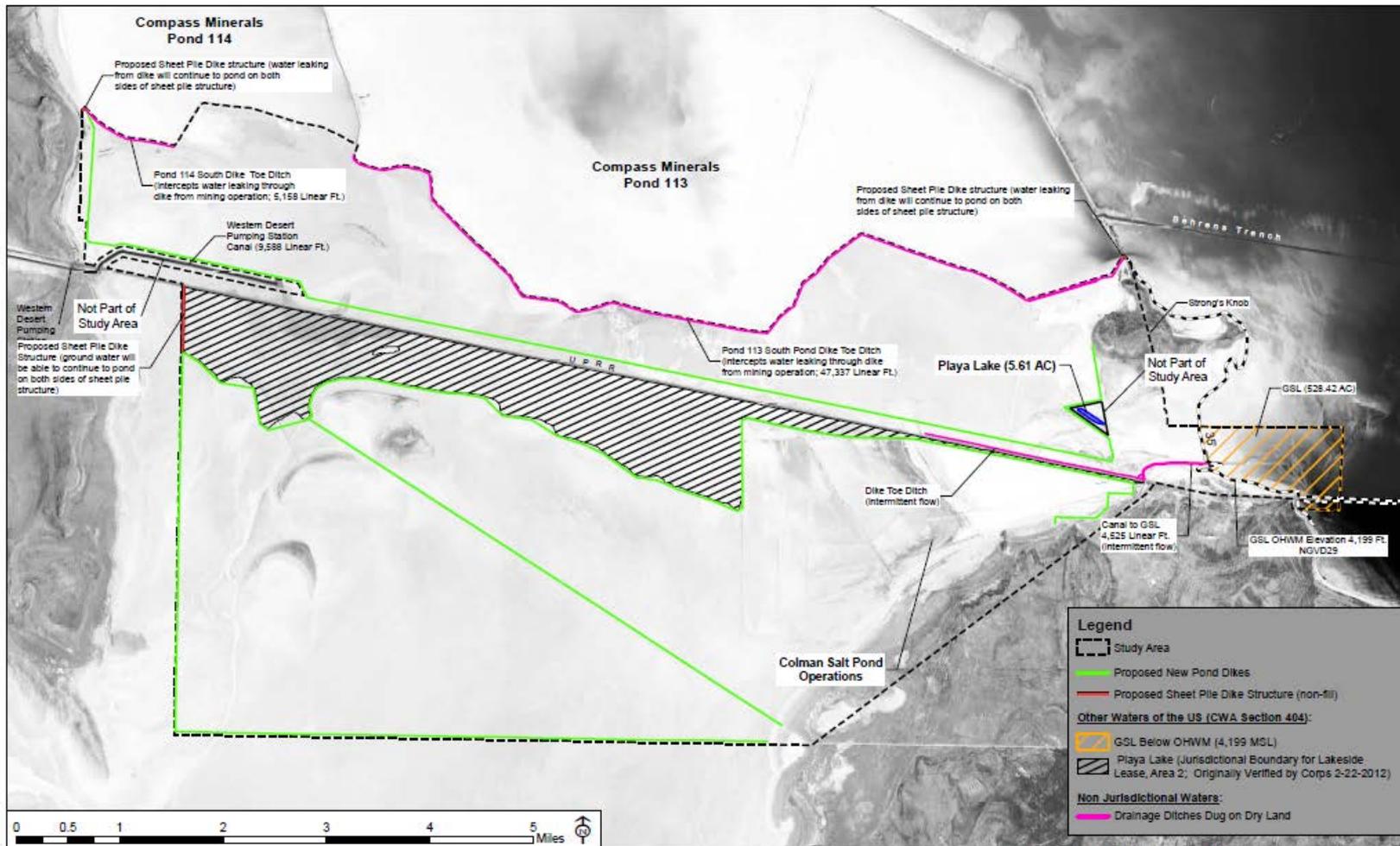


- Eliminated Phases B and C
 - Compass will look to plant and process efficiency opportunities
 - Concerns about operational sustainability
 - Water volume and quality
 - GSL Basin water projects
- Will continue operation of existing west ponds
 - Seal east dike of existing west ponds
 - Materially reduce leakage
 - Results in a ~20% reduction in annual brine consumption
 - Integrate sustainable use of interstitial brines within accumulated salts
 - Supplement lake brine consumption with brine already pumped from the lake over 25 years
 - Pond 115 will be constructed to facilitate eventual deployment of mineral return operations
 - Pond 115 is located within upland portion of Phase A north of UPRR
 - No impacts to "Waters of the United States"
 - No near-term plans to develop southern portion of Phase A
 - Future development would avoid Waters of US

Pond 115 Location Map



Jurisdictional Determination



Location of Areas Potentially Regulated by the Corps and US EPA Clean Water Act Section 404 Regulatory Program

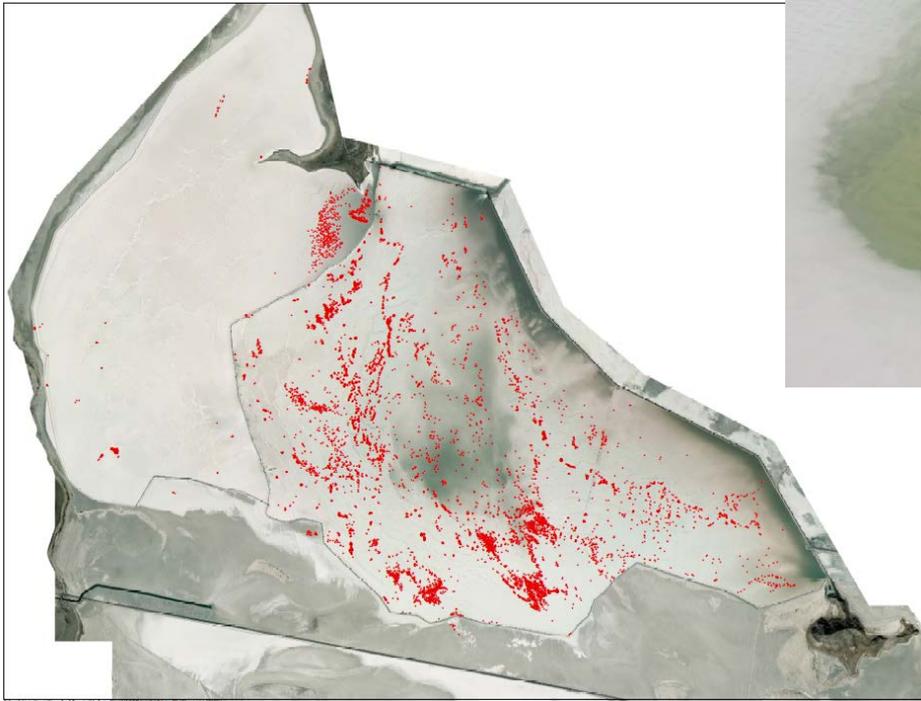
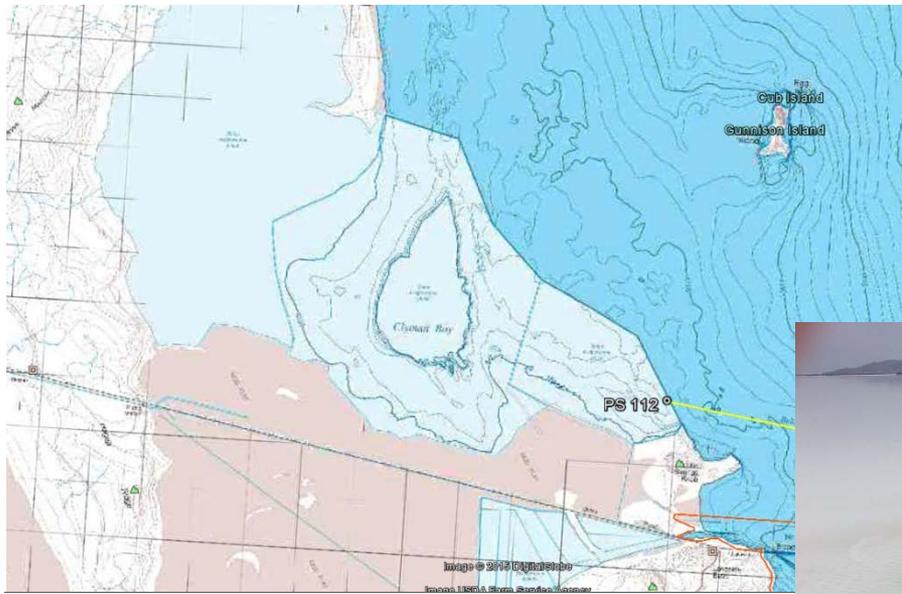
Aerial Photography Source: NAIP 9-2011

Huffman-Broadway Group, Inc.
Environmental Regulatory Permitting Services

Mineral Return Water Resources



- Continue to evaluate best means and resources to implement Mineral Return Operations
- Needed to support and facilitate west pond sustainability
 - Use water to dissolved accumulated salts, and return salt to lake to preserve salinity
- Evaluating potential to reconnect (to the GSL) groundwater resources that flowed to lake prior to early 1990s
- Use would be non-consumptive...water flow restored to GSL
- Will be used to provide water needed to produce cement bentonite grout for pond seal



Protecting Water Flows to GSL



- Working with various groups to protect inflows to GSL
- Compass Minerals has a water right for up to 8,000 CFS into Bear River Bay
 - Beneficial Use is identified as Conservation / Wildlife Habitat
- Originally intended to be mitigation for Bear River Bay development
- Compass is developing a plan with partners to transfer to Bear River Refuge and stake claim to available 'wet water'
- Use of Other Mitigation
 - Compass is evaluating ways to utilize mitigation that had been accumulated under original pond development plan
 - Benefits to Locomotive Springs



THE END



9900 West 109th Street
Overland Park
Kansas, U.S.A. 66210
913.344.9200
CompassMinerals.com
havasij@compassminerals.com