AUSTIN GOLD VENTURE (INSPIRATION) MINE CLOSURE

BY SCOTT RICHEY, GEORGE LANGSTAFF, US FOREST SERVICE
ADAM WHITMAN, MERIDIAN ROSSI CORP
MILL AREA IN 1988-1991
MILL AREA IN 1997
MILL AREA IN 1998
MILL AREA IN 2002
MILL AREA IN 2005
View looking north diversion channel uphill from reclaimed tailing impoundment.

View looking north of revegetated tailings impoundment with good sage brush, rabbit brush, other forbs and grasses.
DEWATERING TAILINGS IMPOUNDMENT BURPS
SATELLITE PIT RECONSTRUCTION NEEDS

- Place limestone and boulders to reduce acid potential and keep vehicle traffic out.
- Increase berm height.
- Neck down more gradual to the narrow drainage ditch.
2010 SATELLITE PIT RUN-OFF DITCH
EVIDENCE OF EFFLUENT ESCAPING THE CHANNEL
2013 SATELLITE PIT APRON RECONSTRUCTION
INITIAL RECLAMATION OF NORTH SIDE DUMPS
STRAW COVERING THE NEW SEEDING
1990’S STRAW COVERED RECLAMATION
2010 RESULTS
1990'S STRAW COVERED RECLAMATION
2010 RESULTS
UPPER DIVERSION DITCH
LARGE ROCKS PLACED ACROSS RECONTOURED WASTE ROCK
LARGE SEDIMENT BASIN ALONG THE DIVERSION DITCH
SMALL CHECK DAM IN THE DITCH TO HELP TRAP SEDIMENT
MIDDLE BENCHES OF DUMP GULCH
LOWEST DUMP GULCH BENCH
EARLY OFFSET IN THE LOWEST BENCH
EARLY MOVEMENT IN THE LOWEST BENCH
NO MOVEMENT DISPLAYED IN 2008
EAST FACE OF WASTE ROCK DUMP, NO EVIDENCE OF UNSTABLE CONDITIONS.
EAST FACE OF WASTE ROCK DUMP, NORTH END TOES ONTO OPPOSING SLOPE FOR BUTTRESSING EFFECT.
SATELLITE PIT SEDIMENT BASIN AND CHANNEL IN 2011
DUMP GULCH SEDIMENT POND ONE IN 2011
DUMP GULCH SEDIMENT POND 2 IN 2011
FENCE REMOVED IN 2012

Fence B metal gate
ROAD NEEDING DRAINAGE CONTROL
ROLLING DIPS ADDED IN 2013
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