ВМР	BEFORE	AFTER
Cellular Confinement System (BMP 15)		
	H841:02 Deep and severe erosion of roadside ditch to form gullies	H841:02 Backfilling of gullies and installing geocells filled with sand
Cellular Confinement System (BMP 15)	H837:02 Deep erosion of roadside ditch	H837:02  Backfilling of ditch and installing a combination of sand filled geocells and gabion structures
Rolled Erosion Control Blankets (BMP 13)	H63:12 Supertest Hill (Ft McMurray) Deep gullies forming on lower slope, downslope side of service road	H63:12 Supertest Hill (Ft McMurray) Deep gullies were backfilled and straw blankets installed on top to promote grass growth

ВМР	BEFORE	AFTER
Rolled Erosion Control Blankets (BMP 13)	H63:12 Supertest Hill (Ft McMurray) Shallow gullies forming on sideslope on the far right (looking south)	H63:12 Supertest Hill (Ft McMurray) Gullies were backfilled and straw blankets installed to promote grass growth (looking north; green patch is where the power post is)
Stilling Basin (BMP 18)	H63:12 Supertest Hill (Ft McMurray) Stilling basin preparation at twin culvert inlet	H63:12 Supertest Hill (Ft McMurray) Stilling basin constructed of gabion baskets
Riprap Armouring (Channel Application) (BMP 14)	H986:01 Daishowa East Hill Erosion of ditch and dislodgement of subterranean drain pipe (looking north)	H986:01 Daishowa East Hill Rebuilding ditch with a rock-lined and gabion channel (looking south)

ВМР	BEFORE	AFTER
Gabion Wall (BMP 2)	H11:08 Rocky Mountain House Poor construction of gabion wall resulting in failure	H11:08 Rocky Mountain House Rebuilt of failed gabion wall
Hydroseeding (BMP 24) Rolled Erosion Control Blankets – TRM (BMP 13)	H63:12 Supertest Hill (Ft McMurray) Erosion of sideslope ditch	H63:12 Supertest Hill (Ft McMurray) Ditch was shaped and a permanent TRM was installed
Compost Blanket and Berms	McGregor Reservoir - South Dam Outlet System January 30:06. West slope seeding, the mulch - seed mixture installed by 109 Spray continues to become depleted by wind crosson, looking towards the top of the slope  H529:04 McGregor Reservoir South Dam West Slope Close-up view of a 30 m compost treated strip	South McGregor - West Valley Slope Jane 30/06, view of the entire west valley slope The tran where grass is causablished was seeded by Top Spray using a seed-match mistaire, the for right was recently hydro seeded and grass is starting to appear hat recentled after removal of some of the hydro seeded and entire West Slope View of plush green compost treated strip compared to rest of untreated slope one winter later

ВМР	BEFORE	AFTER
RECP - Coir Matting and Rock Check Ditch (BMP 13)	H501:00 Beaser Road After installation	H501:00 Beaser Road One year later
Soil Nailing, Shotcreting, Wire Netting and TRM	H11:04 Abraham Lake	H11:04 Abraham Lake Soil Nailing
Soil Nailing, Shotcreting and TRM	H11:04 Abraham Lake	H11:04 Abraham Lake Soil Nailing and Shotcreting

### **BMP BEFORE AFTER** Pillow Concrete Mattress, Cable Concrete Mattress, ChannelSoxx, Canal Liner, gabion mattress, TRM, Interlocking Concrete Blocks, Cellular Confinement System H986:01 Daishowa East Slope Test Site H986:01 Daishowa East Slope Test Site ChannelSoxx Severe erosion of south ditch Pillow Concrete Mattress, Cable Concrete Mattress, ChannelSoxx, Canal Liner, gabion mattress, TRM, Interlocking Concrete Blocks, Cellular Confinement System H986:01 Daishowa East Slope Test Site H986:01 Daishowa East Slope Test Site Severe erosion of south ditch Gabion Mattress and Geoweb Pillow Concrete Mattress, Cable Concrete Mattress, ChannelSoxx, Canal Liner, gabion mattress, TRM, Interlocking Concrete Blocks, Cellular Confinement System

H986:01 Daishowa East Slope Test Site

Severe erosion of south ditch

H986:01 Daishowa East Slope Test Site

**Pillow Concrete Mattress** 

ВМР	BEFORE	AFTER
Bio-engineering Rock vanes, live stake, compost blanket, rock toe, root w, live siltation, RECP		
	H734:22 Pembina River Streambank Stabilization, Site 9	H734:22 Pembina River Streambank Stabilization, Site 9
Bio-engineering Rock vanes, live stake, compost blanket, rock toe, brush mattress, bent pole, vegetated mechanical stabilized earth, branch layering, live siltation, compost berm and blanket, RECP	H734:22 Pembina River Streambank Stabilization, Site 1	H734:22 Pembina River Streambank Stabilization, Site 1
Compost Filtrexx EdgeSaver and Riprap	H53:04 Ditch erosion	H53:04 Ditch erosion Filtrexx EdgeSaver and Riprap