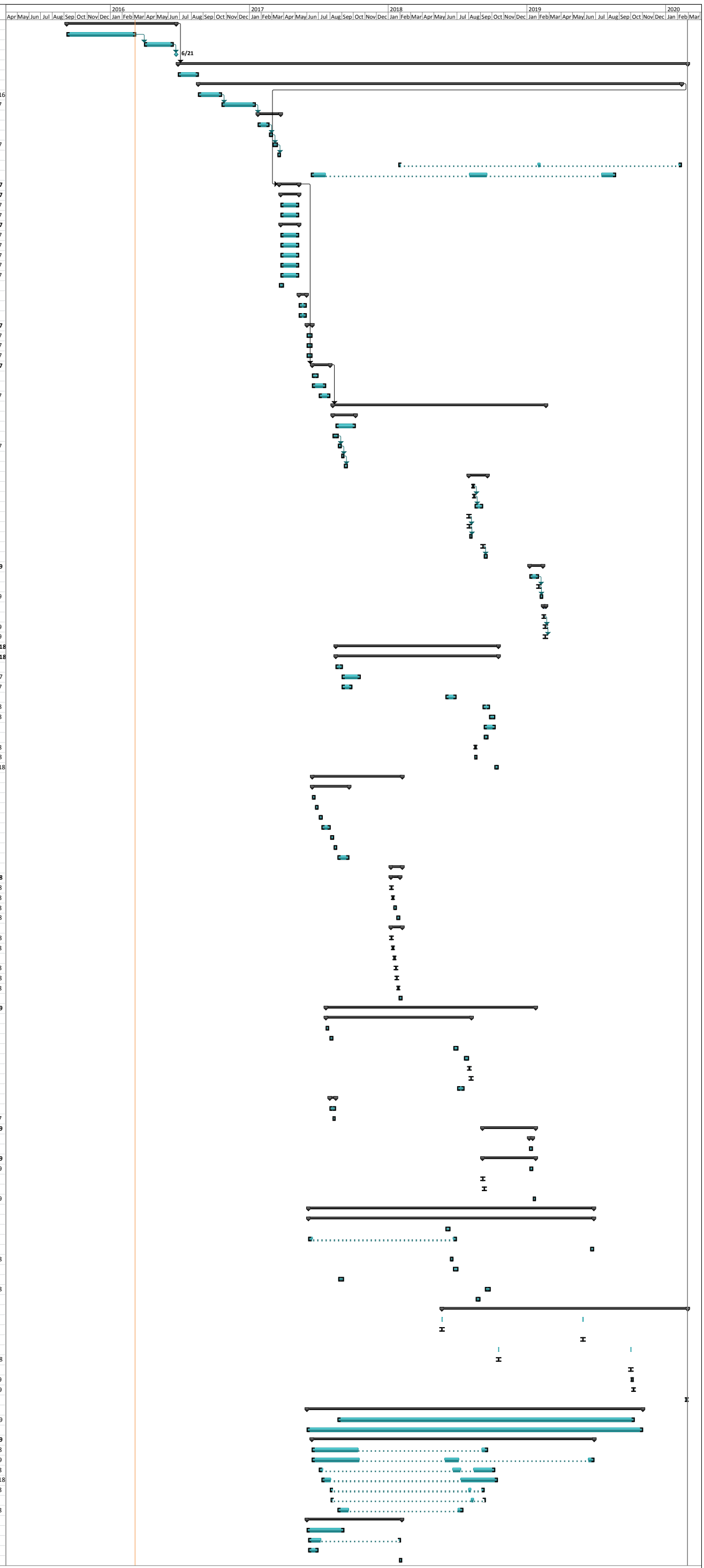
ID		WBS	Task Name	Duration	Start	Finish
1		**1**	**Detailed Design & Tendering**	**206 days**	**Tue 9/8/15**	**Tue 6/21/16**
2		1.1	Detailed Design	130 days	Tue 9/8/15	Mon 3/7/16
3		1.2	Tendering	55 days	Wed 3/30/16	Tue 6/14/16
4		1.3	Remediation Contract Award	3 days	Fri 6/17/16	Tue 6/21/16
5		**2**	**Remediation**	**959 days**	**Mon 6/27/16**	**Thu 2/27/20**
6		2.1	Subcontracting	40 days	Mon 6/27/16	Fri 8/19/16
7		**2.2**	**Preparation and Access**	**908 days**	**Fri 8/19/16**	**Tue 2/11/20**
8		2.2.1	Winter Road Track Survey	44 days	Fri 8/19/16	Wed 10/19/16
9		2.2.2	Upgrade Legacy Winter Road	63 days	Thu 10/20/16	Mon 1/16/17
10		**2.2.3**	**Construct New Road Spurs**	**44 days**	**Mon 1/23/17**	**Thu 3/23/17**
11		2.2.3.1	Ruth	22 days	Mon 1/23/17	Tue 2/21/17
12		2.2.3.2	Beaulieu	7 days	Wed 2/22/17	Thu 3/2/17
13		2.2.3.3	Spectrum	9 days	Fri 3/3/17	Wed 3/15/17
14		2.2.3.4	Joon	6 days	Thu 3/16/17	Thu 3/23/17
15		2.2.4	Maintain Winter Road	16 days	Sun 1/28/18	Tue 2/11/20
16		2.2.5	Maintain Summer Trails	89 days	Mon 6/12/17	Thu 8/22/19
17		**2.3**	**Mobilisation**	**38 days**	**Mon 3/20/17**	**Wed 5/10/17**
18		**2.3.1**	**Main Camps Transport & Setup**	**34 days**	**Fri 3/24/17**	**Wed 5/10/17**
19		2.3.1.1	Bullmoose	34 days	Fri 3/24/17	Wed 5/10/17
20		2.3.1.2	Ruth	34 days	Fri 3/24/17	Wed 5/10/17
21		**2.3.2**	**Limited Camps Transport & Setup**	**34 days**	**Fri 3/24/17**	**Wed 5/10/17**
22		2.3.2.1	Beaulieu	34 days	Fri 3/24/17	Wed 5/10/17
23		2.3.2.2	Spectrum	34 days	Fri 3/24/17	Wed 5/10/17
24		2.3.2.3	Chipp	34 days	Fri 3/24/17	Wed 5/10/17
25		2.3.2.4	Storm	34 days	Fri 3/24/17	Wed 5/10/17
26		2.3.2.5	Joon	34 days	Fri 3/24/17	Wed 5/10/17
27		2.3.3	Equipment & Borrow Transport to Site	10 days	Mon 3/20/17	Fri 3/31/17
28		**2.4**	**Airstrip Condition Improvement & Borrow Devel.**	**14 days**	**Thu 5/11/17**	**Tue 5/30/17**
29		2.4.1	Bullmoose	14 days	Thu 5/11/17	Tue 5/30/17
30		2.4.2	Ruth	14 days	Thu 5/11/17	Tue 5/30/17
31		**2.5**	**Construct Floating Docks**	**10 days**	**Thu 6/1/17**	**Wed 6/14/17**
32		2.5.1	Chipp	10 days	Thu 6/1/17	Wed 6/14/17
33		2.5.2	Storm	10 days	Thu 6/1/17	Wed 6/14/17
34		2.5.3	Spectrum	10 days	Thu 6/1/17	Wed 6/14/17
35		**2.6**	**Landfill & Landfarm Construction**	**33 days**	**Thu 6/15/17**	**Mon 7/31/17**
36		2.6.1	Bullmoose Landfill	12 days	Thu 6/15/17	Fri 6/30/17
37		2.6.2	Ruth Landfill	26 days	Thu 6/15/17	Thu 7/20/17
38		2.6.3	Bullmoose Landfarm	21 days	Mon 7/3/17	Mon 7/31/17
39		**2.7**	**Excavate Impacted Soils & Tailings**	**401 days**	**Tue 8/8/17**	**Tue 2/19/19**
40		**2.7.1**	**Excavate and Landfill/farm On-site**	**44 days**	**Tue 8/8/17**	**Fri 10/6/17**
41		2.7.1.1	Ruth Soils/Tailings - metals+PHCs - landfill	38 days	Wed 8/16/17	Fri 10/6/17
42		2.7.1.2	Bullmoose Soils - PHCs - landfarm	11 days	Tue 8/8/17	Tue 8/22/17
43		2.7.1.3	Bullmoose Soils - metals+PHCs - landfill	7 days	Tue 8/22/17	Wed 8/30/17
44		2.7.1.4	Bullmoose Tailings - landfill	5 days	Thu 8/31/17	Wed 9/6/17
45		2.7.1.5	Bullmoose Sediments - landfill	7 days	Thu 9/7/17	Fri 9/15/17
46		**2.7.2**	**Excavate and Stockpile**	**35 days**	**Wed 8/1/18**	**Tue 9/18/18**
47		2.7.2.1	Beaulieu Soils - PHCs - landfarm	3 days	Fri 8/10/18	Tue 8/14/18
48		2.7.2.2	Beaulieu Soils - metals+PHCs - landfill	4 days	Mon 8/13/18	Thu 8/16/18
49		2.7.2.3	Beaulieu Tailings - metals only - landfill	15 days	Fri 8/17/18	Thu 9/6/18
50		2.7.2.4	Spectrum Soils - PHC - landfarm	1 day	Wed 8/1/18	Wed 8/1/18
51		2.7.2.5	Spectrum Soils - metals+PHC - landfill	1 day	Thu 8/2/18	Thu 8/2/18
52		2.7.2.6	Spectrum Tailings - metals - landfill	5 days	Fri 8/3/18	Thu 8/9/18
53		2.7.2.7	Joon - PHCs - landfarm	1 day	Fri 9/7/18	Fri 9/7/18
54		2.7.2.8	Joon - metals+PHCs - landfill	7 days	Mon 9/10/18	Tue 9/18/18
55		**2.7.3**	**Transport to Landfill**	**25 days**	**Tue 1/8/19**	**Mon 2/11/19**
56		2.7.3.1	Beaulieu to Ruth Landfill	18 days	Tue 1/8/19	Thu 1/31/19
57		2.7.3.2	Joon to Ruth Landfill	1 day	Fri 2/1/19	Fri 2/1/19
58		2.7.3.3	Spectrum to Bullmoose Landfill	6 days	Mon 2/4/19	Mon 2/11/19
59		**2.7.4**	**Transport to Landfarm**	**5 days**	**Wed 2/13/19**	**Tue 2/19/19**
60		2.7.4.1	Beaulieu to Bullmoose Landfarm	3 days	Wed 2/13/19	Fri 2/15/19
61		2.7.4.2	Joon to Bullmoose Landfarm	1 day	Mon 2/18/19	Mon 2/18/19
62		2.7.4.3	Spectrum to Bullmoose Landfarm	1 day	Mon 2/18/19	Mon 2/18/19
63		**2.8**	**Physical Hazards Remediation**	**306 days**	**Wed 8/16/17**	**Wed 10/17/18**
64		**2.8.1**	**Shaft/Trench Backfill & Capping & WR Cover**	**306 days**	**Wed 8/16/17**	**Wed 10/17/18**
65		2.8.1.1	Ruth (shaft caps (2 on-site))	14 days	Wed 8/16/17	Sat 9/2/17
66		2.8.1.2	Bullmoose (vent, shaft, septic, fault)	35 days	Fri 9/1/17	Thu 10/19/17
67		2.8.1.3	Bullmoose (vent caps (2), 1 no dim.))	19 days	Fri 9/1/17	Wed 9/27/17
68		2.8.1.4	Bullmoose cover waste rock	20 days	Fri 6/1/18	Thu 6/28/18
69		2.8.1.5	Beaulieu (shaft cap, no dim.)	12 days	Fri 9/7/18	Mon 9/24/18
70		2.8.1.6	Ruth cover waste rock	11 days	Mon 9/24/18	Mon 10/8/18
71		2.8.1.7	Spectrum (trenches, shaft)	22 days	Mon 9/10/18	Tue 10/9/18
72		2.8.1.8	Spectrum (shaft cap, no dim.)	9 days	Mon 9/10/18	Thu 9/20/18
73		2.8.1.9	Chipp (shaft)	3 days	Thu 8/16/18	Mon 8/20/18
74		2.8.1.10	Chipp (shaft cap, no dim.)	5 days	Thu 8/16/18	Wed 8/22/18
75		2.8.1.11	Joon (trenches and waste rock cover)	8 days	Mon 10/8/18	Wed 10/17/18
76		**2.9**	**Consol., Tpt and Dispose Haz. Materials**	**169 days**	**Thu 6/15/17**	**Tue 2/6/18**
77		**2.9.1**	**Consolidate**	**69 days**	**Thu 6/15/17**	**Tue 9/19/17**
78		2.9.1.1	Ruth	6 days	Thu 6/15/17	Thu 6/22/17
79		2.9.1.2	Bullmoose	6 days	Fri 6/23/17	Fri 6/30/17
80		2.9.1.3	Beaulieu	7 days	Mon 7/3/17	Tue 7/11/17
81		2.9.1.4	Spectrum	17 days	Mon 7/10/17	Tue 8/1/17
82		2.9.1.5	Chipp	7 days	Wed 8/2/17	Thu 8/10/17
83		2.9.1.6	Storm	6 days	Fri 8/11/17	Fri 8/18/17
84		2.9.1.7	Joon	22 days	Mon 8/21/17	Tue 9/19/17
85		**2.9.2**	**Transport and Disposal Off-site**	**22 days**	**Mon 1/8/18**	**Tue 2/6/18**
86		**2.9.2.1**	**Liquids**	**18 days**	**Mon 1/8/18**	**Wed 1/31/18**
87		2.9.2.1.1	Ruth	3 days	Mon 1/8/18	Wed 1/10/18
88		2.9.2.1.2	Beaulieu	3 days	Thu 1/11/18	Mon 1/15/18
89		2.9.2.1.3	Spectrum	6 days	Mon 1/15/18	Mon 1/22/18
90		2.9.2.1.4	Joon	7 days	Tue 1/23/18	Wed 1/31/18
91		**2.9.2.2**	**Solids**	**22 days**	**Mon 1/8/18**	**Tue 2/6/18**
92		2.9.2.2.1	Ruth	3 days	Mon 1/8/18	Wed 1/10/18
93		2.9.2.2.2	Bullmoose	3 days	Thu 1/11/18	Mon 1/15/18
94		2.9.2.2.3	Beaulieu	5 days	Mon 1/15/18	Fri 1/19/18
95		2.9.2.2.4	Spectrum	2 days	Sat 1/20/18	Mon 1/22/18
96		2.9.2.2.5	Chipp	3 days	Mon 1/22/18	Wed 1/24/18
97		2.9.2.2.6	Storm	3 days	Thu 1/25/18	Mon 1/29/18
98		2.9.2.2.7	Joon	7 days	Mon 1/29/18	Tue 2/6/18
99		**2.10**	**Consol., Tpt and Landfill Non-haz. Mat'ls**	**394 days**	**Fri 7/21/17**	**Wed 1/23/19**
100		**2.10.1**	**Consolidate**	**273 days**	**Fri 7/21/17**	**Tue 8/7/18**
101		2.10.1.1	Ruth	6 days	Fri 7/21/17	Fri 7/28/17
102		2.10.1.2	Bullmoose	7 days	Mon 7/31/17	Tue 8/8/17
103		2.10.1.3	Beaulieu	8 days	Fri 6/22/18	Tue 7/3/18
104		2.10.1.4	Spectrum	8 days	Fri 7/20/18	Tue 7/31/18
105		2.10.1.5	Chipp	3 days	Wed 8/1/18	Fri 8/3/18
106		2.10.1.6	Storm	2 days	Mon 8/6/18	Tue 8/7/18
107		2.10.1.7	Joon	14 days	Mon 7/2/18	Thu 7/19/18
108		**2.10.2**	**Landfill On-site**	**12 days**	**Mon 7/31/17**	**Tue 8/15/17**
109		2.10.2.1	Ruth	12 days	Mon 7/31/17	Tue 8/15/17
110		2.10.2.2	Bullmoose	5 days	Tue 8/8/17	Mon 8/14/17
111		**2.10.3**	**Transport and Landfill**	**100 days**	**Thu 9/6/18**	**Wed 1/23/19**
112		**2.10.3.1**	**To Bullmoose**	**7 days**	**Mon 1/7/19**	**Tue 1/15/19**
113		2.10.3.1.1	Spectrum	7 days	Mon 1/7/19	Tue 1/15/19
114		**2.10.3.2**	**To Ruth**	**100 days**	**Thu 9/6/18**	**Wed 1/23/19**
115		2.10.3.2.1	Beaulieu	7 days	Tue 1/8/19	Wed 1/16/19
116		2.10.3.2.2	Chipp	2 days	Thu 9/6/18	Fri 9/7/18
117		2.10.3.2.3	Storm	2 days	Mon 9/10/18	Tue 9/11/18
118		2.10.3.2.4	Joon	5 days	Thu 1/17/19	Wed 1/23/19
119		**2.11**	**Wetland Remediation and Water Tmt**	**537 days**	**Mon 6/5/17**	**Tue 6/25/19**
120		**2.11.1**	**Bullmoose**	**537 days**	**Mon 6/5/17**	**Tue 6/25/19**
121		2.11.1.1	Beta Lake Imp. Excavation & Cover	8 days	Fri 6/1/18	Tue 6/12/18
122		2.11.1.2	Shaft/Tr. and Ck. Water Tmt and Disp.	17 days	Mon 6/5/17	Fri 6/29/18
123		2.11.1.3	Portal Wetland Area Weir and Fencing	7 days	Mon 6/17/19	Tue 6/25/19
124		2.11.1.4	Bullmoose Creek Aquadam	6 days	Wed 6/13/18	Wed 6/20/18
125		2.11.1.5	Bullmoose Creek Excavation	9 days	Thu 6/21/18	Tue 7/3/18
126		2.11.1.6	Sewage Lagoon Excavation	10 days	Wed 8/23/17	Tue 9/5/17
127		2.11.2	Spectrum Water Treatment	10 days	Thu 9/13/18	Wed 9/26/18
128		2.11.3	Chipp Water Treatment	9 days	Mon 8/20/18	Thu 8/30/18
129		**2.12**	**Demobilisation**	**463 days**	**Tue 5/22/18**	**Thu 2/27/20**
130		**2.12.1**	**Seasonal Mob**	**266 days**	**Tue 5/22/18**	**Tue 5/28/19**
131		2.12.1.1	Seasonal Mob 1	1 day	Tue 5/22/18	Tue 5/22/18
132		2.12.1.2	Seasonal Mob 2	1 day	Tue 5/28/19	Tue 5/28/19
133		**2.12.2**	**Seasonal Demob**	**249 days**	**Thu 10/18/18**	**Tue 10/1/19**
134		2.12.2.1	Seasonal Demob 1	1 day	Thu 10/18/18	Thu 10/18/18
135		2.12.2.2	Seasonal Demob 2	1 day	Tue 10/1/19	Tue 10/1/19
136		2.12.3	Tear Down and Packing	4 days	Wed 10/2/19	Mon 10/7/19
137		2.12.4	Transport Off-site	3 days	Mon 10/7/19	Wed 10/9/19
138		2.12.5	Final Demob (Camp and Equipment)	5 days	Sun 2/23/20	Thu 2/27/20
139		**2.13**	**QA/QC and Project Management**	**632 days**	**Thu 6/1/17**	**Fri 11/1/19**
140		2.13.1	QA/QC	559 days	Mon 8/21/17	Thu 10/10/19
141		2.13.2	Project Management	632 days	Thu 6/1/17	Fri 11/1/19
142		**2.13.3**	**Verification Program**	**531 days**	**Wed 6/14/17**	**Wed 6/26/19**
143		2.13.3.1	Ruth	100 days	Wed 6/14/17	Wed 9/19/18
144		2.13.3.2	Bullmoose	129 days	Wed 6/14/17	Wed 6/26/19
145		2.13.3.3	Beaulieu	65 days	Mon 7/3/17	Mon 10/8/18
146		2.13.3.4	Spectrum	88 days	Mon 7/10/17	Mon 10/15/18
147		2.13.3.5	Chipp	15 days	Tue 8/1/17	Mon 9/10/18
148		2.13.3.6	Storm	11 days	Thu 8/3/17	Thu 9/13/18
149		2.13.3.7	Joon	31 days	Mon 8/21/17	Mon 7/16/18
150		**2.14**	**Borrow Development, Stockpile and Haul**	**178 days**	**Thu 6/1/17**	**Mon 2/5/18**
151		2.14.1	Borrow Development and Stockpile	70 days	Thu 6/1/17	Wed 9/6/17
152		2.14.2	Haul Bullmoose Borrow to Bullmoose or Spectru	30 days	Mon 6/5/17	Fri 2/2/18
153		2.14.3	Haul Ruth Borrow to Ruth	20 days	Mon 6/5/17	Fri 6/30/17
154		2.14.4	Haul Ruth Borrow to Beaulieu or Joon	5 days	Tue 1/30/18	Mon 2/5/18



Project: Updated Bullmoose RAP
Date: March 7, 2016

Task		Summary		External Milestone		Inactive Summary		Manual Summary Rollup		Finish-only	
Split		Project Summary		Inactive Task		Manual Task		Manual Summary		Deadline	
Milestone		External Tasks		Inactive Milestone		Duration-only		Start-only		Progress	