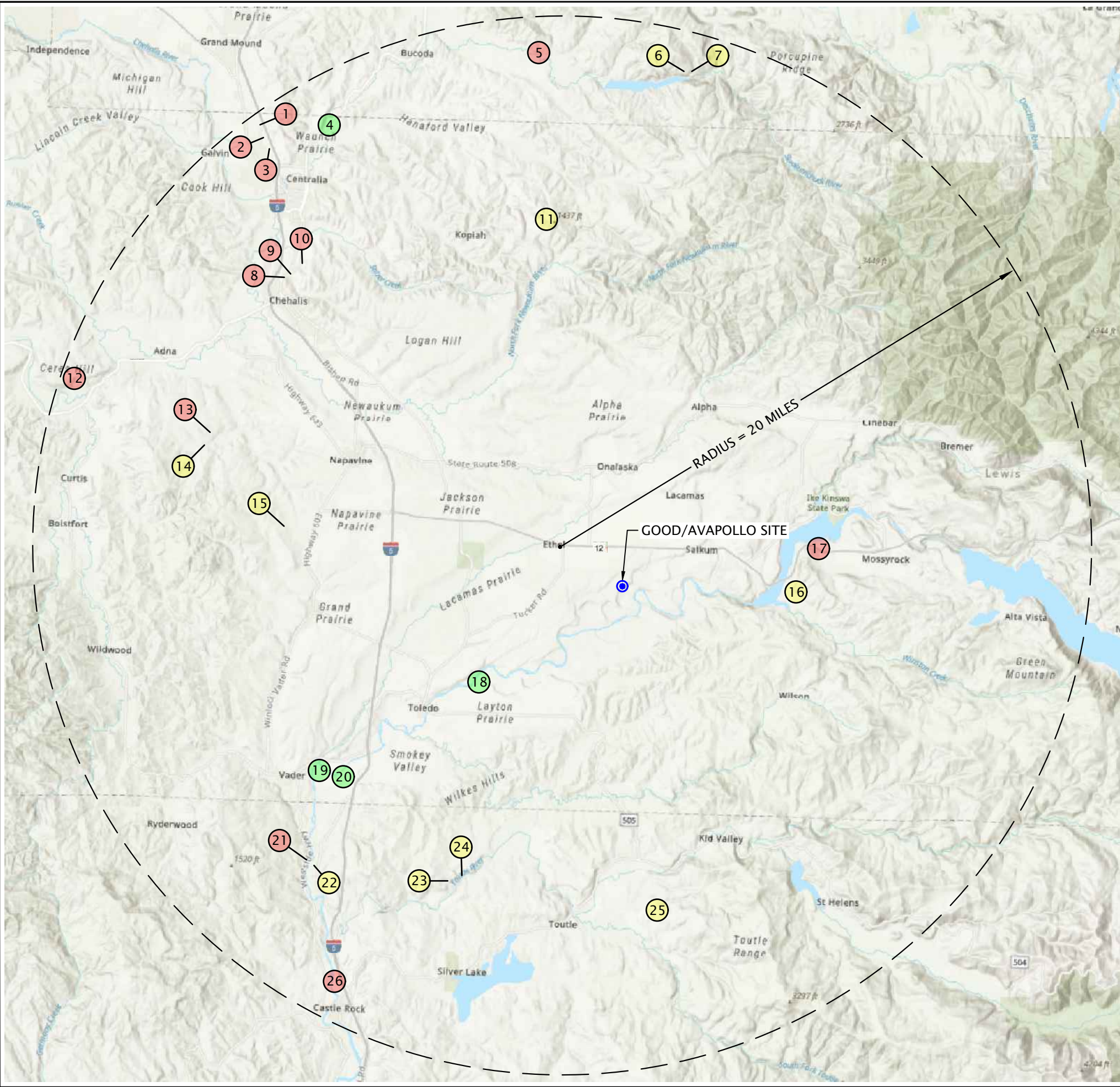
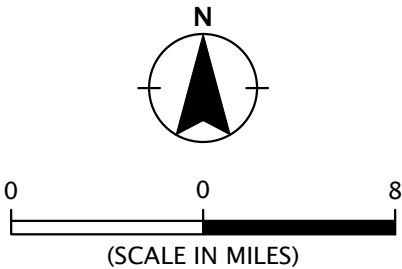




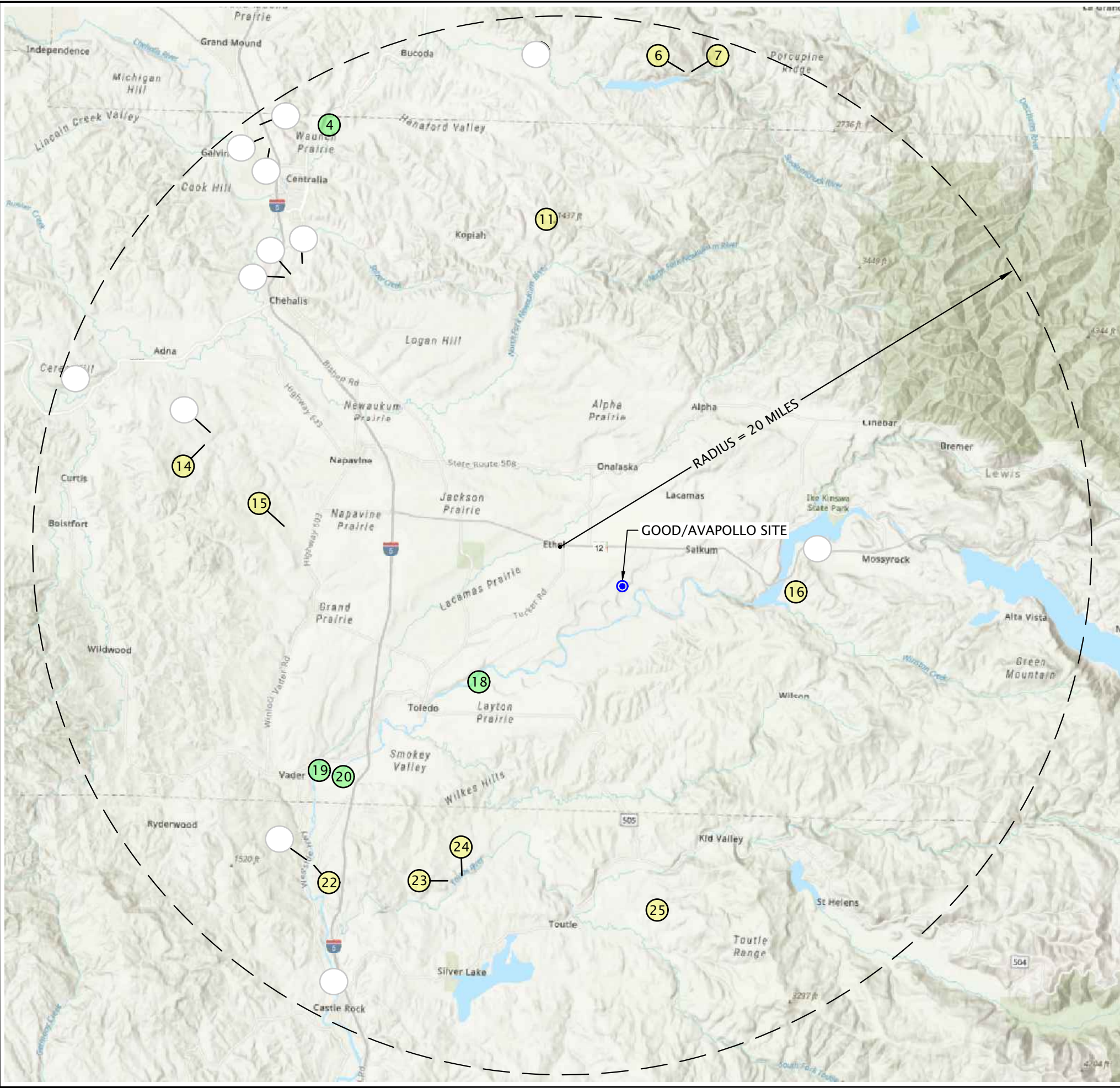
LEGEND:

- 1 MINING INACTIVE/IN RECLAMATION/COMPLETE
- 4 ACTIVE SAND AND GRAVEL PIT
- 6 ACTIVE BEDROCK QUARRY

I.D.	PERMIT NUMBER	MINE NAME
1	11629	FORAN ROAD N
2	10177	FORAN ROAD S
3	10327	CENTRALIA
4	11712	HILPERT PIT
5	12602	SKOOKUMCHUCK
6	13200	COLUMBIA VAIL QUARRY LLC
7	12899	COLUMBIA GRANITE
8	12953	CONWELL HILL
9	13073	CARPET HILL
10	13248	KRESKY MINE
11	13052	MERIDIAN HILL
12	11839	CERES HILL
13	12665	BROWN RD QUARRY
14	12913	ALDERBROOK QUARRY
15	12859	GOOD QUARRY
16	13079	WINSTON QUARRY
17	10382	MOSSYROCK
18	11516	COWLITZ RIVER
19	11145	MANDY RD PIT
20	12730	FOSTER CREEK PIT
21	12741	OLEQUA QUARRY
22	12933	BARNES DRIVE
23	12959	PHIPPS QUARRY
24	13161	TOWER RD PIT
25	13025	GARDNER QUARRY
26	12205	LANG



SITE PLAN BASED ON IMAGE AND INFORMATION OBTAINED FROM
WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES

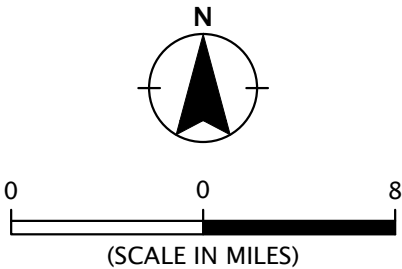


LEGEND:

- ① MINING INACTIVE/IN RECLAMATION/COMPLETE
- ④ ACTIVE SAND AND GRAVEL PIT
- ⑥ ACTIVE BEDROCK QUARRY

Removing Depleted Sites / In Reclamation

I.D.	PERMIT NUMBER	MINE NAME
1	11629	FORAN ROAD N
2	10177	FORAN ROAD S
3	10327	CENTRALIA
4	11712	HILPERT PIT
5	12602	SKOOKUMCHUCK
6	13200	COLUMBIA VAIL QUARRY LLC
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23	12959	PHIPPS QUARRY
24	13161	TOWER RD PIT
25	13025	GARDNER QUARRY
26	12205	LANG



SITE PLAN BASED ON IMAGE AND INFORMATION OBTAINED FROM
WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES

SITE PLAN - PERMITTED MINE SITES

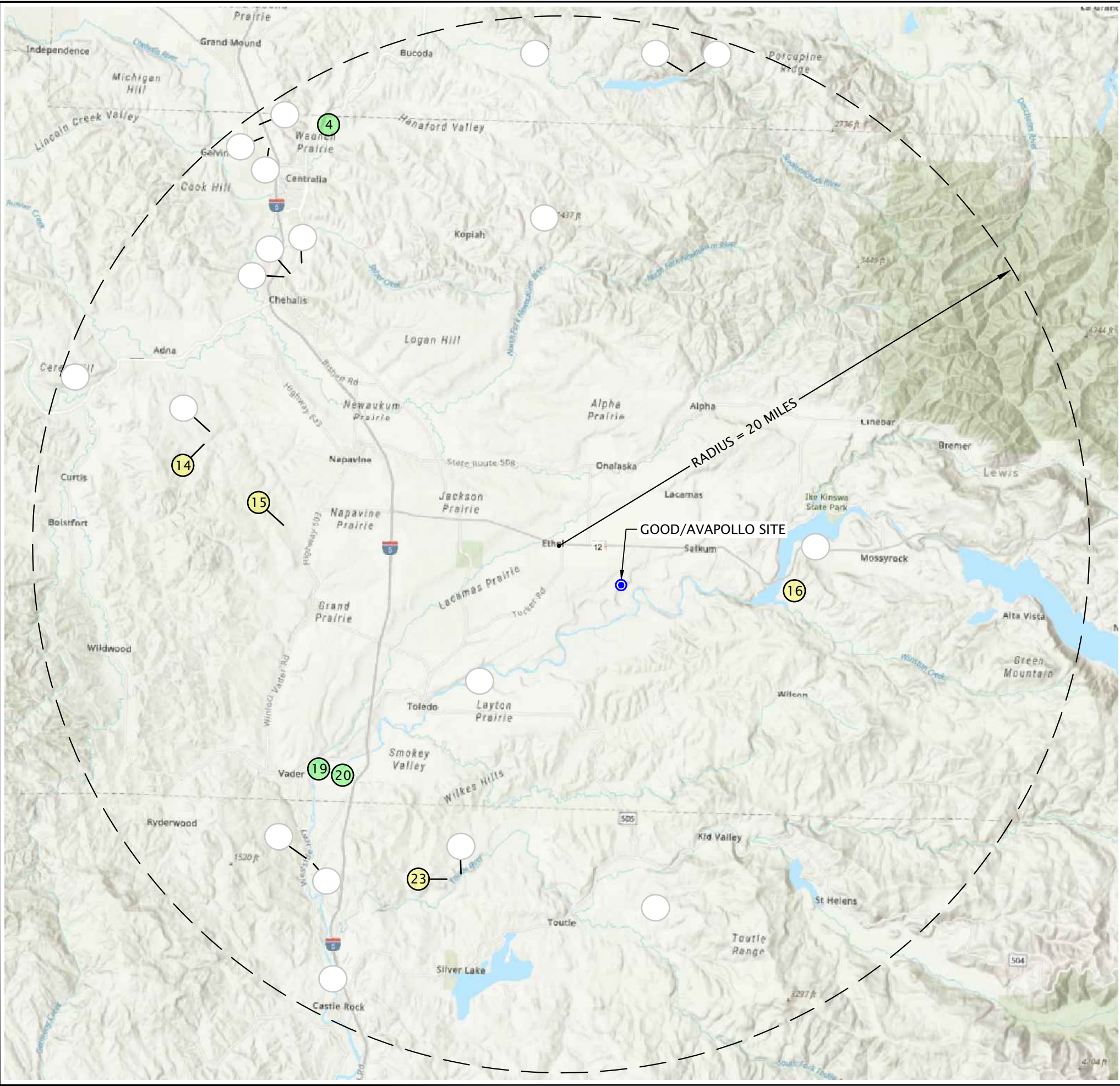
GOOD/AVAPOLLO PROPERTY
LEWIS COUNTY, WA

GOODCRUSH-4-01

AUGUST 2022

NV5

FIGURE 2

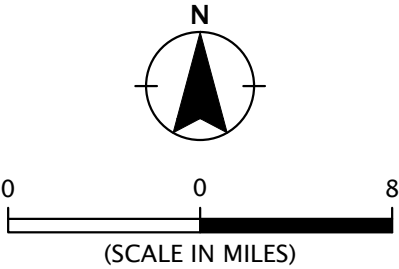


LEGEND:

- ① MINING INACTIVE/IN RECLAMATION/COMPLETE
- ④ ACTIVE SAND AND GRAVEL PIT
- ⑥ ACTIVE BEDROCK QUARRY

Removing Non-Commercial / Small / Remote Sites

I.D.	PERMIT NUMBER	MINE NAME
1	11629	FORAN ROAD N
2	10177	FORAN ROAD S
3	10327	CENTRALIA
4	11712	HILPERT PIT
5	12602	SKOOKUMCHUCK
6	13200	COLUMBIA VAIL QUARRY LLC
7	12899	COLUMBIA GRANITE
8	12953	CONWELL HILL
9	13073	CARPET HILL
10	13248	KRESKY MINE
11	13052	MERIDIAN HILL
12	11839	CERES HILL
13	12665	BROWN RD QUARRY
14	12913	ALDERBROOK QUARRY
15	12859	GOOD QUARRY
16	13079	WINSTON QUARRY
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18	11516	COWLITZ RIVER
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22	12933	BARNES DRIVE
23	12959	PHIPPS QUARRY
24	13161	TOWER RD PIT
25	13025	GARDNER QUARRY
26	12205	LANG



SITE PLAN BASED ON IMAGE AND INFORMATION OBTAINED FROM
WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES

SITE PLAN - PERMITTED MINE SITES

GOOD/AVAPOLLO PROPERTY
LEWIS COUNTY, WA

GOODCRUSH-4-01

AUGUST 2022

NV5

FIGURE 3

DNR Permitted Aggregate Mine Sites
20-Mile Radius from Ethel, Washington

Site Location	Permit #	Applicant Name	Mine Name	County	Latitude	Longitude	Permit Acreage	Permit Depth (ft)	Commodity	Aerial Review / Notes
1	11629	DULIN CONSTRUCTION INC	FORAN ROAD N	Lewis	46.758	-122.991	45	100	Sand and Gravel	Mining complete, in reclamation.
2	10177	DULIN CONSTRUCTION INC	FORAN ROAD S	Lewis	46.751	-122.988	52	70	Sand and Gravel	Mining complete, in reclamation.
3	10327	LAKESIDE INDUSTRIES INC	CENTRALIA	Lewis	46.745	-122.983	39	90	Sand and Gravel	Mining at site is complete, pond is being backfilled. Aggregate imported from other sites.
4	11712	STERLING BREEN CRUSHING INC	HILPERT PIT	Lewis	46.759	-122.936	100.7	115	Sand and Gravel	Active sand and gravel resource; located at north edge of Lewis County, north of Centralia.
5	12602	ROCK SERVICES INC	SKOOKUMCHUCK	Thurston	46.802	-122.771	20	264	Rock and Stone	Mining complete/inactive.
6	13200	COLUMBIA VAIL QUARRY LLC	COLUMBIA VAIL QUARRY LLC	Thurston	46.794	-122.655	53.7	440	Rock and Stone	Active bedrock resource (jetty stone); remote site.
7	12899	COLUMBIA GRANITE LLC	COLUMBIA GRANITE	Thurston	46.794	-122.649	39.39	350	Rock and Stone	Active bedrock resource (jetty stone); remote site.
8	12953	CB NATIONAL LLC	CONWELL HILL	Lewis	46.675	-122.968	11.4	280	Rock and Stone	Mining complete. Retirement community constructed at the site.
9	13073	QUIGG BROS INC	CARPET HILL	Lewis	46.677	-122.963	15.6	170	Rock and Stone	Mining complete/inactive. Site is mostly vegetated.
10	13248	RAINDROP PROPERTIES LLC	KRESKY MINE	Lewis	46.683	-122.954	42.7	80	Sand and Gravel	Mining complete, in reclamation.
11	13052	ALCO HOLDINGS LLC	MERIDIAN HILL	Lewis	46.711	-122.761	64	300	Rock and Stone	Forestry pit (and/or aggregate for TransAlta coal mine?)
12	11839	HEADWELL LLC	CERES HILL	Lewis	46.616	-123.132	10	165	Rock and Stone	Mining complete, in reclamation.
13	12665	LAURA MOERKE JONES	BROWN RD QUARRY	Lewis	46.589	-123.023	36	120	Rock and Stone	Mining complete/inactive.
14	12913	LAURA MOERKE JONES	ALDERBROOK QUARRY	Lewis	46.582	-123.027	30	120	Rock and Stone	Active bedrock resource.
15	12859	GOOD CRUSHING INC	GOODS QUARRY	Lewis	46.539	-122.962	141.8	120	Rock and Stone	Active bedrock resource, recently expanded to include Johnson Quarry to south.
16	13079	WINSTON QUARRY INC	WINSTON QUARRY	Lewis	46.511	-122.555	38.2	215	Rock and Stone	Active bedrock resource.
17	10382	GOOD INC	MOSSYROCK	Lewis	46.535	-122.538	25	60	Sand and Gravel	Mining complete/inactive.
18	11516	ROBERT J THOMPSON	COWLITZ RIVER	Lewis	46.457	-122.804	75	40	Sand and Gravel	Active sand and gravel resource; located in Cowlitz River floodplain; minimal activity.
19	11145	WALLACE ROCK PRODUCTS INC	MANDY RD PIT	Lewis	46.406	-122.928	163	50	Sand and Gravel	Active sand and gravel resource; located in Cowlitz River floodplain.
20	12730	EAGLE CLIFF NORTHWEST LLC	FOSTER CREEK PIT	Lewis	46.403	-122.909	60	50	Sand and Gravel	Active sand and gravel resource; located in Cowlitz River floodplain.
21	12741	CRAIG OPSAHL ROCK & CONST	OLEQUA QUARRY	Cowlitz	46.357	-122.936	6.9	130	Rock and Stone	Mining complete, in reclamation.
22	12933	FARWEST PORTABLE CRUSHING INC	BARNES DRIVE	Cowlitz	46.354	-122.93	30.6	100	Rock and Stone	Active bedrock resource; minimal activity.
23	12959	J L STOREDAHL & SONS INC	PHIPPS QUARRY	Cowlitz	46.348	-122.824	178	150	Rock and Stone	Active bedrock resource.
24	13161	TIM BROWN LOGGING INC	TOWER RD PIT	Cowlitz	46.351	-122.813	3	120	Rock and Stone	Minimally active forestry pit; not a commercial site.
25	13025	GARRY GARDNER	GARDNER QUARRY	Cowlitz	46.335	-122.658	60	100	Rock and Stone	Active bedrock resource; remote site.
26	12205	SEGALE PROPERTIES LLC	LANG	Cowlitz	46.291	-122.911	27	52	Sand and Gravel	Excavating (St Helens) dredge spoils; not a commercial aggregate site.

KEY

	Mining inactive / in reclamation / complete
	Active sand and gravel pit
	Active bedrock quarry

NOTES

Permitted aggregate mine sites identified using DNR's Washington Geologic Information Portal (<https://geologyportal.dnr.wa.gov/2d-view#erpl?-13939287,-13000029,5803322,6244822>).
Aerial reviews conducted using Google Earth aerial imagery.
Notes compiled using aerial reviews, interviews with local mine professionals, and NV5's experience in the region.