

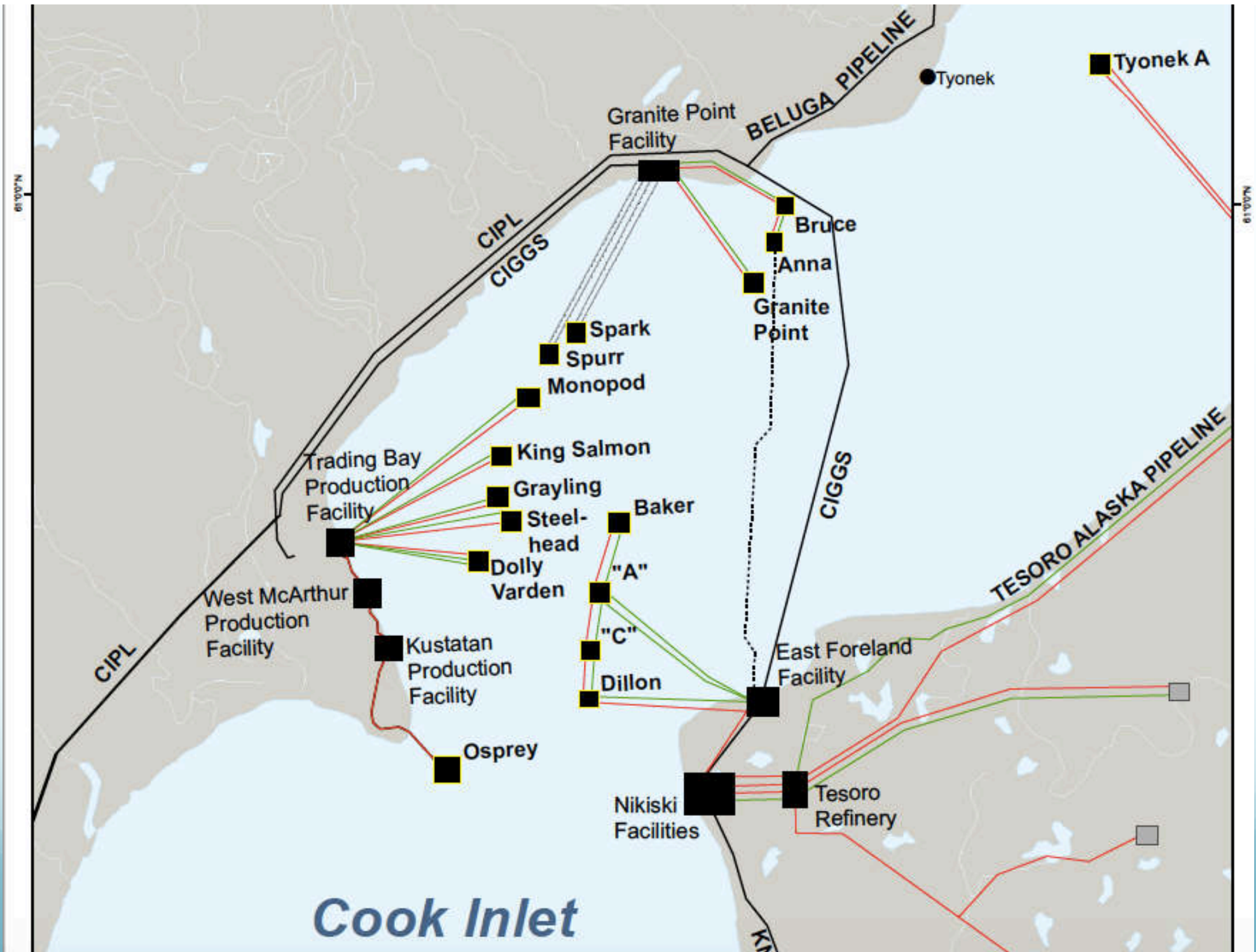


Research & Planning Group, LLC.



Cook Inlet Pipeline Infrastructure Assessment

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Project Context

- 200+ miles of flowlines, gathering lines, and transmission pipelines in and around Cook Inlet
- Some pipeline infrastructure dates to the 1960s
- Loss-of-integrity leaks spring 2017
- CIRCAC initiates update to regulatory study & pipeline inventory
- PHMSA initiates state/federal Task Force on Cook Inlet pipelines
- Planning launched for larger Cook Inlet Infrastructure Assessment

Three Phase Project

PHASE	ACTIVITY	TIMING	FUNDING
1	Inventory and Regulatory Update	Underway summer/fall 2017	Funded by CIRCAC and KPB
2	Pipeline Integrity Assessment	Target: 2017-2018	Proposal submitted to PHMSA (August 2017)
3	Development of Risk Reduction Measures by Expert Panel	Target: 2018 - 2019	TBD

Scope

- Oil transmissions lines, including Tesoro pipeline (not Swanson River flow lines/facility piping in the field)
- Gas pipelines related to oil production (not Enstar natural gas lines)
- Three-phase lines
- In and around Cook Inlet

Goals

- Anticipate potential problems as Cook Inlet pipeline infrastructure ages
- Recommend risk reduction measures for implementation *before* further loss-of-integrity issues
- Ensure high quality recommendations by gaining input from *experts, operators*, and the Cook Inlet public

Phase 1 – Regulatory Context



Alaska Department of Administration
Alaska Oil and Gas Conservation Commission

Phase 1 – Pipeline Inventory

Data Sought

- Material
- Diameter
- Owner
- Year of installation
- Current status of use
- Regulatory definition & agency jurisdiction
- Leak detection, corrosion control, shutdown methods (as required by ADEC)
- Spill history (ADEC spills database)

Phase 1 – Pipeline Inventory

Data Sources

- PHMSA pipeline files obtained with assistance from Anchorage and Kenai Peninsula Borough
- ADNR right-of-ways
- ADEC-required Oil Discharge Prevention and Contingency Plans
- Task Force members

Phase 2 – Integrity Assessment

Pending PHMSA Technical Assistance Grant Funding



ANALYSIS:

- Cook Inlet spill history
- Causes of loss of integrity
- Investigation/Inspection Reports
- Integrity Management Plans

ENGAGEMENT:

- Request information from agencies, operators
- Share information with public
- Seek input on suggestions, concerns, considerations

Phase 3 – Risk Reduction Measures

- Specific, practical, risk reduction measures with measurable outcomes
- Developed by Expert Panel
- Input invited from operators, agencies, and public re: operational considerations and concerns
- Build off 2010 recommendations developed for North Slope



Photo: GroundTruth Trekking



QUESTIONS?